PHASE II ENVIRONMENTAL BASELINE SURVEY OF McCORMICK RANCH, KIRTLAND AIR FORCE BASE, NEW MEXICO

Part 3 of 5

Grace Hagaraty Jeff Johnson Pete Middlebrooks

GRAM, Inc 8500 Menaul Blvd NE Albuquerque, NM 87112

31 January 1996

Final Report

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19961226 025



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Support Directorate
AIR FORCE MATERIEL COMMAND
KIRTLAND AIR FORCE BASE, NM 87117-5776

PL-TR-95-1042

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Project Manager

FOR THE COMMANDER

MICHELLE L. HEDRICK, GS-13 Chief, Safety & Environmental

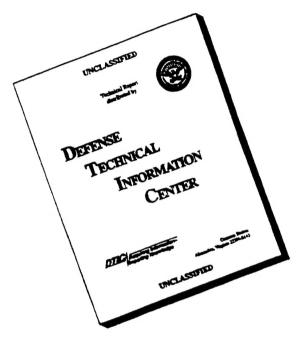
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DKAFT SF 298

1. Report Date (de 31 January 1996	d-mm-yy)	2. Report Type Final Report		t 93 - Ja		
4. Title & subtitle Phase II Environn Ranch, Kirtland A		ine Survey of McCormi art 3 of 5		ntract or Gr -93-C-0219	ant #	
			5b. Pro	gram Elem	ent#	62601F
6. Author(s)	DAM Inc		5c. Pro	j ect # 9993	3	
Grace Hagaraty, (Jeff Johnson, GR	AM, Inc.		5d. Tas	k# 00		
Pete Middlebrook	S, LAIA		5e. Wo	rk Unit # Si	E	
7. Performing Org GRAM, Inc. 8500 Menaul Blvd Albuquerque, Ne	l. N.E.			8. Perform	ing Organiza	ation Report #
Phillips Laborato	ry	ency Name & Address		10. Monito SE	or Acronym	
3550 Aberdeen A Kirtland AFB, NM	•	76			r Report #	
	-			PL-TR-95	-1042, Par	t 3 of 5
13. Supplementar	y Notes W	ork done in associa	ation with L	os Alamos	Technical	Associates
present on McCor contaminants were meter, magnetom were selected to five areas and 13 compounds, PET performed and no found in 2 sample	rmick Ranch re identified eter/gradion conduct furt specific hig N, TNT, TNT o explosives es, mangane	as results document the Explosive test areas using the following geneter, and ground peneter, and ground peneter environmental analysis explosive test sites. Indegradation products or degradation products was detected in 3 sow background. Conse	having the gree eophysical survertating radar. lysis. A total o The samples w , nitrates and racts were identifications	eatest poter vey method From the go f 310 soil so rere screend adioactivity ied. Semi-ves were dis	ntial for cont is: EM 31 ter eophysical s amples were ed for semi-v v. Laboratory volatile organ scovered belo	aining soil rrain conductivity curveys five areas collected from the volatile organic y analyses were nic compounds were ow soil action levels
15. Subject Terms	McCormic	k Ranch, Environment	al Baseline Sur	vey, Contar	mination	
16. Report Unclassified	17. Abstrac Unclassifie		19. Limitation of Abstract Unlimited	20. # of Pages 216		

SITE IDENTIFIER KRLT0154 LAB. TECH. NAME JIM DENBULKHONDA DATE 9/20/44

STANDARD ANALYSES

STANDARD	PPM	TIME
I-IS	hΙ	0759
ST-2	14	0759
ST-3	h/	0759
AVERAGE	<i>کر</i>	

ANALYTICAL RESULTS FOR BATCH NIT-15

0711110		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
71 (.6	4.440	4080	0835	7	
0215	£ 1/40	1080	0835	0	
0216	4440	1980	0835	3	
4/20	7.050	1080	0835	7	
63.18	£ħ£O	- t.090	0836	3	
5165	£h£0	5080	0836		
0220	tht0	6080	0836	0	
0220	FUFO	£.0807	7580	ĺ	
0221	4440	6807	0837	/	
0727	Eht.O	4080	08.32	0	

Signature (Lab. Tech.)

Signature (Review/Approval)

**Step 2.1.2 "J" completed.

*Step 2.1.2 "f" completed.

***Step 2.2 "F" completed.

LAB. TECH. NAME Jis Denton/ Phun da SITE IDENTIFIER KRUTNISY
DATE 9/20/94

STANDARD ANALYSES

STANDARD	PPM	TIME
1-IS	14	9550
Z-1S	h1	5510
ST-3	14	0.759
AVERAGE	17	

ANALYTICAL RESULTS FOR BATCH ALTT-19

NITRATE COMMENTS	(PPM)		O	0	0			
L	ANALYZE*** (PPM)	7837	0 t.880	0898	0839, 0			
TIMI	FILTER**	080.1	1080	0807	マン			_
	EXTRACT*	7470	£ hto	tht0	UN			
SAMPLEID	•	0123	7220	5220	M-164 Blank			

Dunch Methur Signature (Lab. Tech.)

**Step 2.1.2 "j" completed.

*Step 2.1.2 "f" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME Jim Deatlan/ Rhonde SITE IDENTIFIER KRLTDISY

DATE 9/19/194

STANDARD ANALYSES

	21 71 71 71 71 71 71 71 71 71	000
STANDARD	PPM	TIME
ST-1	/5	8h±0
Z-1S	15	3×60
E-1S	15	3450
AVERAGE	/5	

ANALYTICAL RESULTS FOR BATCH NIT - 18

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
5410	5280	. 0850	0855	0	
7410	\$7.80	0880	0855	2	
0145	0825	0880	5580	0	
2710	0825	0580	5580	3	
5410	0825	0830	9580	2	
0148	5280	0880	1580	0	
6410	5280	0880	9580	2	
0150	0825	0880	CP.56.	0	
0206	\$28	0880	6883	7	
5007	C\$25	08sc	6857	0	

Signature (Lab. Tech.)

**Step 2.1.2 "j" completed.

*Step 2.1.2 "f" completed.

***Step 2.2 "F" completed.

Signature (Review/Approval)

LAB. TECH. NAME Jim Denton/ Rhowlda SITE IDENTIFIER KELT DISY
DATE 9/19/94

STANDARD ANALYSES

		010
STANDARD	PPM	TIME
ST-1	/5	8410
ST-2	16	Shto
ST-3	1.5	3ht0
AVERAGE	75	

ANALYTICAL RESULTS FOR BATCH NIT-18

	TIME			NITRATE	COMMENTS
EXTRACT* FILTER** ANA		ANA	ANALYZE***	(PPM)	
CR25 0859 0		0	5060		D. Ff.c. 11 to F./ter
08sc		7	585	0	
0850			4582	Q	
0880		Ĭ	0858	0	
C825 0850 C		2	9580	7	
		0	0.858	0	

Khinda Methur. Signature (Lab. Tech.) **Step 2.1.2 "j" completed.

*Step 2.1.2 "f" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME IN DEALBUL/ROUNDE SITE IDENTIFIER KRUTALS 4

STANDARD ANALYSES

Name and Address of the Owner, where the Owner, which is the Owner,	The second name of the second na	-
STANDARD	PPM	TIME
I-IS	h/	D44d
ST-2	۱ ط	०५५५
ST-3	/5	0746
AVERAGE	14.3	

ANALYTICAL RESULTS FOR BATCH NITTIZ

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
0031	12:30	0845	0880	3	
m32	C82(0845	0820	3	
0033	1280	5845	0880	8	
<i>6</i> 200	1282	51:90	0380	6	
M35	1280	2480	1580	t	
252	12.30	0845	1580	4	
4500	17.30	2//5	085/	/7	
38	1230	5/180	1500	Q	
6500	1285	5480	5885	0	
UPQU	1280	5150	7580	0	

Signature (Lab. Tech.)

Step 2.1.2 "F" completed.

**Step 2.1.2 "J" completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

LAB. TECH. NAME J.M. Denton/Rlande SITE IDENTIFIER KRLTDISY DATE 9/16/94

STANDARD ANALYSES

ָב ס	טויייייייייייייייייייייייייייייייייייי	250
STANDARD	PPM	TIME
ST-1	14	P 44 V
ST-2	/م	りかもつ
ST-3	5/	hhto
AVERAGE	14.3	

ANALYTICAL RESULTS FOR BATCH NITI-17

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
MY OHU	1280	2645	2880	S	
1810	7.80	2845	2580	2	
0132	1290	0845	0853	/	
0133	1280	20845	0853	2	
0134	1280	5/180	085.3	.3	
0135	0932	8171	1022	/	
0/36	2650	8101	1077	0	
7810	2860	8101	1023	5	
0138	2632	8101	1023	,	
0139	0932	8101	6201	0	

Signature (Lab. Tech.)
Siepature (Lab. Tech.)
Siep 2.1.2 "r" completed.

**Step 2.1.2 "J" completed.

Signature (Review/Approval)

***Step 2.2 "F" completed.

LAB. TECH. NAME Jim Denton/Rhonde SITE IDENTIFIER KRLID ISY DATE 9/16/94

STANDARD ANALYSES

STANDARD	PPM	TIME
1-1S	h!	pheu
S1-2	hΙ	pheo
ST-3	15	PUTO
AVERAGE	14.3	

ANALYTICAL RESULTS FOR BATCH ALTI-17

COMMENTS									
NITRATE	(PPM)	4	4	9	2	0	0		
	ANALYZE***	4201	4201	5701	1025	E580	370/		
TIME	FILTER**	1018	1018	1018	1018	サイ	8 N		
	EXTRACT*	2860	2850	0532	2640	4 2	47		
SAMPLE ID		0140	OLD DOD	717	2010	R. + 50 8 look	Mother Blank		

Ure (Lab. Tech.)

*Step 2.1.2 "f" completed.

**Step 2.1.2 "J" completed.

Signature (Review/Approval)
***Step 2.2 "f" completed.

LAB. TECH. NAME In Benton/Rhonda SITE IDENTIFIER KRLTDISY DATE 9/15/94

410	SI ANDARD ANALTSES	TSES
STANDARD	PPM	TIME
ST-1	14	9140
ST-2	hI	31FO
ST-3	h/	2110
AVERAGE	h/ ·	

ANALYTICAL RESULTS FOR BATCH ALTI-16

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
1000	0800	0824	083(11	
7000	2800	h280	083/	3	
0003	ala	0824	083/	t	
6004	080c	0824	0831	Ц	
2005	0806	hz80	0832	4	
9000	0800	h280	0832	λ.	
F000	ORCH	4280	0832	9	
mos	0800	4280	0832	. 5	
2003	08cc	0824	0833	4	
∞_{IO}	0806	h2.80	<i>Q</i> 833	\$	

Signature (Lab. Tech.)

**Step 2.1.2 "J" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME Jon Daylow / RACE LUIS SITE IDENTIFIER KRLINISY

STANDARD ANALYSES

	מישטוים שוויים וויים	1000
STANDARD	PPM	TIME
1-TS	h/	0716
ST-2	14	0716
ST-3	<i>h1</i>	0716
AVERAGE	h1	

ANALYTICAL RESULTS FOR BATCH NIT-16

		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
1160	9080	h280	0833	5	
0012	9080	hz80	0833	3	
7003	2000	4280	0834	5	
ファン	2000	VS 80	1830	5	
CONS	9000	72.50	1589	J	
212	9760	8388	04937	0	
212	0 750	82.87	£659	8	
200	8660	8700	1635	5	
2019	8550	8701 40	1037	0	
0220	3450	8701	85.16	9	
0020 Dup	3750	8201	0001 Obbo-	5 3	

F-9

Page 1

**Step 2.1.2 "j" completed.

Step 2.1.2 "F' completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

LAB. TECH. NAME JIM Deuton/Rhonda SITE IDEN
DATE 9/15/94

SITE IDENTIFIER KRLTD 154

YSES	TIME	0716	2150	9110	
STANDARD ANALYSES	PPM	H	hl	h/	14
STA	STANDARD	1-TS	Z-1S	E-1S	AVERAGE

ANALYTICAL RESULTS FOR BATCH A IT-16

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
0021	0948	BZ01	1859	3	
225	8763	8701	1 1880 I	į	
00.73	0948	8201	35.60	2	
h200	094B	8701	1838	3	
27.00	848	8701	3867	Q	
2000	6448	8201	3860	3	
4200	3460	1028	4638	5	
8700	0448	8701	94.69	V	
5200	0948	81.01	836	0	
0030	0448	870/	3/5/2	10	
Method Blank	AN A	UN	6834	\mathcal{O}	
		•			

J. Dirt

**Step 2.1.2 "j" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME JIM PENTON ROUNDE SITE IDENTIFIER KRUTO 154

DATE 9/14/44

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	7/	9580
ST-2	/5	2520
ST-3	7.	9780
AVERAGE	14.6	

ANALYTICAL RESULTS FOR BATCH NITI-15

	1					
	SAMPLE ID		TIME		NITRATE	COMMENTS
		EXTRACT*	FILTER**	ANALYZE***	(PPM)	
	1900	0848	0110	041.5	0	
	.2900	0848	0110	5150	5	
	0063	0848	0110	0915	8	
	6064	0848	0110	0915	Ş	
	0065	0848	0110	9150	7	
	9900	084B	0160	9150	18	
	C067	CRUB	0110	9150	0	
	0068	0848	0150	9160	5	
	5900	0848.	0510	4760	3	
_	0530	0848	0910	£160	2	

Signature (Lab. Tech.)

**Step 2.1.2 "j" completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

LAB. TECH. NAME JIM DENTON POLICE SITE IDENTIFIER KPITOISY
DATE 9/14/94

STANDARD ANALYSES

	SI ANDAND ANALI SES	1 OES
STANDARD	PPM	TIME
ST-1	þ′	91180
ST-2	15	9000
ST-3	15	91180
AVERAGE	14.6	

ANALYTICAL RESULTS FOR BATCH NITI-15

	EXTRACT*	FILTER**	ANALYZE***	NITRATE (PPM)	COMMENTS
	1000	1042	+ HO1)	
	1000	2,601	£401	7	
	1000	7601	£601	0	
	000/	2401	1047	7	
	1000	2401	61701	9	
	1000	21,07	1048	rt	
	200/	7001	1048	\mathcal{S}	
1	1000	1047	1048	J	
	1000	270'	1049	7	

Signature (Lab. Tech.)

*Step 2.1.2 "f" completed.

**Step 2.1.2 'j" completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

LAB. TECH. NAME JOB DEN POR PORTE SITE IDENTIFIER KRLTDISY
DATE 9/14/94

STANDARD ANALYSES

21010	TIME	9/280	9180	2460	
SI PINDAIND MINALI SES	PPM	14	15	/5	14.6
	STANDARD	ST-1	ST-2	ST-3	AVERAGE

ANALYTICAL RESULTS FOR BATCH ALTI-15

COMMENTS							
NITRATE	(PPM)	5	0				
	ANALYZE***	1049	6,601				
TIME	FILTER**	2401	NA				
	EXTRACT*	1000	NA				
SAMPLE ID		0080 Dun	Methy Blank				

Signature (Lab. Tech.)

**Step 2.1.2 "j" completed.

"Step 2.1.2 "f" completed.

Signature (Review/Approval)

***Step 2.2 "F" completed.

SITE IDENTIFIER KALIDISY LAB. TECH. NAME JIM DEATON/PLONDE DATE 9/13/94

SIA	STANDARD ANALYSES	YSES
STANDARD	PPM	TIME
ST-1	9)	OFTO
ST-2	16	0440
ST-3	16	0440
AVERAGE	16	

ANALYTICAL RESULTS FOR BATCH NIT-/3

EXTRACT* FILTER** ANALYZE*** (PPM)	SAMPLE ID		TIME		NITRATE	COMMENTS
0818 0850 0900 0818 0850 0900 0818 0850 0900 0818 0850 0901 0818 0850 0901 0818 0850 0901 0818 0850 0901 0818 0850 0902 0818 0850 0902		EXTRACT*	FILTER**	ANALYZE***	(PPM)	
OB18 OB50 O900 OB18 OB50 O900 OB18 OB50 O901 OB18 OB50 O902 OB18 OB50 O902	1110	0818	0880	0900	2	
ABIR OBSO OFOO OBIR OBSO OFOI OBIR OBSO OFOI	7170	0818	0880	0600	7	
0818 0850 0850 0850 0850 0850 0850 0850	0113	6818	0880	0500	†	
0818 0850 0850 0850 0850 0850 0850 0850	Olld	0818	0580	0060	h	
0818 0850 0850 0818 0850 0818 0850 0850	2115	0818	0880	0501	9	
OBIR OBSO OBIR OBSO OBIR OBSO OBIR OBSO	0116	0818	0880	0901	ק	
0818 0850 0818 0850 0818 0850	FIIO	08/8	0820	090	\$	
0818 0850 0818 0850	0118	0818	0880	0601	3	
0818 0850	6110	08/8	0850	0902.	6	
	0170	0818	0850	2060	Ø	

**Step 2.1.2 "J" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME JIM Denton/ Phanda SITE IDENTIFIER KELTDISY

DATE 9/13/94

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	9/	0740
S1-2	91	0740
ST-3	9/	Qht9
AVERAGE	91	

ANALYTICAL RESULTS FOR BATCH NIT-13

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
7120 CV	8/80	0880	2060	9	
120	8180	0820	2060	t	
2010	8180	0880	5050	3	
0.23	8/80	0580	0.50.3	9	
PZ/V	8/80	0880	6050	t	
0125	8180	0880	0903	5	
0126	1001	1040	2401	3	
£2,10	1001	0701	5401	83	
9210	100/	2/101	5/10		
947	100)	2401	1048		

F-15

Signature (Lab. Tech.)
Step 2.1.2 "F" completed.

**Step 2.1.2 "j" completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

LAB. TECH. NAME Jin Dewload Roada SITE IDENTIFIER KRLTD 154
DATE 9/13/94

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	ارو	0140
ST-2	9/	0440
ST-3	91	Qhto
AVERAGE	9/	

ANALYTICAL RESULTS FOR BATCH NIT-13

COMMENTS			-				
NITRATE	(PPM)		0				
	ANALYZE***	95h01	44 050d				
TIME	FILTER**	1040	ママ				
	EXTRACT*	1001	NA				
SAMPLE ID		0130	Method Blank				

Signature (Review/Approval)

**Step 2.1.2 "j" completed.

*Step 2.1.2 "r" completed.

***Step 2.2 "f" completed.

LAB. TECH. NAME JIM Dearlow / Rhowda SITE IDENTIFIER KRLTAISY DATE 9/13/94

STANDARD ANALYSES

110	SI ANDARD ANALTSES	ISES
STANDARD	PPM	TIME
ST-1	ות	0960
ST-2	ħΙ	0550
ST-3	15	0560
AVERAGE		

ANALYTICAL RESULTS FOR BATCH NIT-14

TE COMMENTS											
NITRATE	(PPM)	0	7		þ	7	ħ	15	Ø	3	(
	ANALYZE***	1046	9401	1047	£ 701	1047	F 701	1048	1048	8401	01101
TIME	FILTER**	1040	9501	1040	1040	1040	Opai	1040	1040	0401	0/10
	EXTRACT*	1001	1001	1001	1001	1001	1001	1001	1001	1001	104/
SAMPLE ID		1000	2700	MAS	DON 4	0045	0046	5400	0048	6/200	60.00

F-17

Signature (Lab. Tech.)

Step 2.1.2 "F" completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

LAB. TECH. NAME JIM DENTON REPLYING SITE IDENTIFIER KRLTD 154

DATE 9/13/94

STANDARD ANALYSES

200	SI MINDAND MINALI SES	1353
STANDARD	PPM	TIME
ST-1	14	0960
S1-2	カ /	0530
ST-3	15	0360
AVERAGE	14.3	

ANALYTICAL RESULTS FOR BATCH ATT-14

STAMMENTS	ANALYZE*** (PPM)	6 6 600	1142 3	1142	5 7HII 8	1142 3	3 //43 /	8 11/43 3	_	1143 2	7
TIME	±	0401	1/38	1138	138		1138		1/35	1/38	>411
	EXTRACT*	1001	(4/8)	1018	3/11	1118	8111	8111	1118	8111	0111
CAMPIEIN	SAMPLE	0051	0052	0053	pos 4	5000	9500	£500	0058	6059	6,00

Signature (Review/Approval)

***Step 2.2 "f" completed.

**Step 2.1.2 "J" completed.

LAB. TECH. NAME JIM DENTON PROMISE SITE IDENTIFIER KELTO154
DATE 9/13/94

STANDARD ANALYSES

	טומואשוים מושמוים ו	25.0
STANDARD	PPM	TIME
ST-1	hl	0950
ST-2	h/	0550
ST-3	/5	0950
AVERAGE		

ANALYTICAL RESULTS FOR BATCH AUTT- 14

COMMENTS							
NITRATE	(PPM)	3	ф				
	ANALYZE***	1040)	1049				
TIME	FILTER**	1125	NA				
	EXTRACT*	1118	φN				
SAMPLE ID		0060 AUA	Method Blank				

Signature (Review/Approval)

***Step 2.2 "f" completed.

**Step 2.1.2 'J' completed.

Signature (Lab. Tech.)

Step 2.1.2 "" completed.

SITE IDENTIFIER KRLID ISY LAB. TECH. NAME Jim Den Jan / Rhom da DATE 9/12/94

STANDARD ANALYSES

M TIME	0723	6723	0323	1.66
STANDARD PPM	ST-1 //S	ST-2 15	ST-3 1H	AVERAGE 14. 1

ANALYTICAL RESULTS FOR BATCH NIT-12

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
1600	0800	02 80	0830	RB/3	
2600	0800	0280	0830	80	
0093	0500	0820	0830	/3	
1500	0300	0280	1880	0	
2900	රපිර	0280	0831	三方と	
9600	08co	0280	0831	+	
7,600	0800	0280	0832	8	
0098	0800	02820	0832	3	
6600	080c	0850	0832	5	
0010	0800	0820	0833	60	

F-20

**Step 2.1.2 "j" completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

SITE IDENTIFIER KRLT 0154 LAB. TECH. NAME Jim Deallaw/Rhowla DATE 9/12/94

STANDARD ANALYSES

	סוטויסטוים אוארו מבמ	1353
STANDARD	PPM	TIME
ST-1	15	6750
ST-2	15	2240
ST-3	7-1	0723
AVERAGE	14.66	

ANALYTICAL RESULTS FOR BATCH NIT-12

Δυρ CBCC O820 OBOC O820 OBOC O820 OBOC O820 O504 O946 O907 O946 O907 O946 O907 O946 O907 O946 O907 O946	SAMPLE ID		TIME		NITRATE	COMMENTS
Δηρ (2800 0820 0800 0820 0800 0820 0507 0946 0907 0946 0907 0946 0907 0946	EXT	RACT*	FILTER**	ANALYZE***	(PPM)	
0800 0820 0800 0820 0504 0904 0904 0904 0904 0904 0904		300	0280	0833	7	
0800 0820 0504 0946 0907 0946 0907 0946 0907 0946	ð	300	0810	0833	11	
0507 0946 09460 +090 09460 +090 09460 +0900	80	Soci	0520	0834		
3760 ±060 3760 ±060 3760 ±060	05	40	9160	1260	0	
0907 0946 0907 0946 0907 0946	00	707	9560	2360	3	
9760 ±060 9760 ±060	50	107	0946	0952	23	
3460 tobo	Ö	707	9750	0952	7	
7560 2060	Ŏ	407	9760	0953	5	
	Ŏ	707	0946	0953	2	
	00	707	2460	0953	51	

F-21

Signature (Lab. Tech.)
Step 2.1.2 "F" completed.

**Step 2.1.2 "J" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME JIM Charlow Roadle SITE IDENTIFIER KRLT0154 DATE 9/12/94

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	15	0323
ST-2	B	5250
ST-3	h/	0723
AVERAGE	14.66	

ANALYTICAL RESULTS FOR BATCH 1/17-12

Г				Γ	Ī			
COMMENTS								
NITRATE	(PPM)	2	Ф					
	ANALYZE***	2560	0834					
TIME	FILTER**	9250	ΨM					
	EXTRACT*	7090						
SAMPLE ID		0110	Method Blank					

Signature (Lab. Tech.)

Signature (Review/Approval)

***Step 2.2 "f" completed.

**Step 2.1.2 "J" completed.

LAB. TECH. NAME JIM Denton PROMA SITE IDENTIFIER KRUTO154

DATE 9/9/94

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	16	0735
ST-2	9]	0735
ST-3	F-/	0735
AVERAGE	15.3	

ANALYTICAL RESULTS FOR BATCH NIT-11

COMMENTS											
NITRATE	(PPM)	/-		2	_	5	1/	H	+	8	0
	ANALYZE***	0835	0835	0835	2836	CB 36	9830	£8.80	583	5837	044 D
TIME	FILTER**	0818	0828	0878	3280	8280	8280	082.8	8280	8280	0880
	EXTRACT*	9080	9080	7030	0806	9080	9039	9080	9030	2806	1160
SAMPLE ID		9810	CIRT	0180	5 8 7	0150	1610	0.197	7,63	7670	7510

Signature (Lab. Tech.)

**Step 2.1.2 "j" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME JIM DENTON / PLO HAVIA

SITE IDENTIFIER KRUTAIS4

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	16	6735
ST-2	16	0735
ST-3	h/	A335
AVERAGE	15.3	

ANALYTICAL RESULTS FOR BATCH NIT-11

EXTRACT* FILTER*** 0196 0911 0930 0198 0911 0930 0199 0911 0930 0200 Δυρ 0911 0930 0201 0911 0930 0202 0911 0930 0203 0911 0930	TIME	NITRATE	COMMENTS
1150 1150 1150 1160 1160 1160		,	
1160 1160 1160 1160 1160	0930 0640	1	
1160 1160 1160 1160 1160		0	
1150 AV 1150 AV 1160		5	
1160 AV		3	
1160 AND	05:30 05:41	-	
1160	09.30 0941		
1160	0930 0941	V	
7160	0930 0942	7	
	0930 0547	0	
0204 0911 0930	2450 6550	7	

ityre (Lab. Tech.)

**Step 2.1.2 "j" completed.

Signature (Review/Approval)

Page 1

E - 24

LAB. TECH. NAME Jan Desthal Phony la

SITE IDENTIFIER KRUTDISY

STANDARD ANALYSES

		010
STANDARD	PPM	TIME
ST-1	14	9240
ST-2	h!	92 to
ST-3	h/	£210
AVERAGE	14	

ANALYTICAL RESULTS FOR BATCH NIT- 7

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
	03EQ	0820	0875	22	
	0758	0810	0825	2	
	0358	0180	9280	7	
AZ40 DUR	8540	0780	9280	2	
-	855.0	0180	£280	þ	
	0758	0850	5180	3	
0243	8540	0850	0828	0	
שהיי	8550	0280	0828	_ව	
	8550	0820	5280		
02.86	0758	0280	6280	0	

Hunda Mithur Signature (Lab. Tech.)

**Step 2.1.2 "J" completed.

***Step 2.2 "F' completed.

Signature (Review/Approval)

LAB. TECH. NAME Jan Destant Rouch SITE IDENTIFIER KRLT 10154
DATE 9/1/44

STANDARD ANALYSES

ST-1	اط	0326
ST-1	اط	0326
AVERAGE	h/	97.±0

ANALYTICAL RESULTS FOR BATCH NITT- 7

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
7870	185.3	0925	0430	O	
0288	5880	5750	0630	2	
0289	0.853	0925	0930	5	
0290	0853	2760	0931	/	
1620	∞ 553	5260	2860	4	
0292	0853	5250	0932	3	
0243	OBS3	6925	0933	7	
0294	0853	5260	0933	4	
2670	0853	5260	0934	9	
1 Postian	474	VN	DE 60	0	

Signoffer (Lab, Tech.)

**Step 2.1.2 "j" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME JIM Denton/ Rhand Methonsite IDENTIFIER KRLIDISY DATE 8/31/94

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	/5	S2±0
ST-2	76	0725
ST-3	7.5	0726
AVERAGE	15.33	

ANALYTICAL RESULTS FOR BATCH NIT-6

COMMENTS													Signature (Review/Approval)	***Step 2.2 "f" completed.
NITRATE	(PPM)	7,	7	0	4	0		0	Ø	2 Est	000	en	1	completed.
	ANALYZE***	0830	0830	0831	0831	0832	0833	5880	A838	0834	0834	0835 0835		**Step 2.1.2 "j" completed.
TIME	FILTER**	0825	280	5280	0828	0825	0825	0825	0825	7825	0825	57.80 57.80	Lab. Tech.)	leted.
	EXTRACT*	1080	080	1080	0801	1080	080	080	080	080	080	\$ 280 1080 \$ 280 1080	Signatore (Lab. Tech.)	*Step 2.1.2 "f" comple
SAMPLEID		0226	4220	6228	6220	0230	0231	0232	0233	0234	0235	0236 0237	1 L	*Step
		1	F	- ;	27						J			

LAB. TECH. NAME<u>JIM Denton / Rhanda</u> SITE IDENTIFIER KRUTO154

DATE 8/30/54

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	h/	0750
ST-2	15	0751
ST-3	16	075
AVERAGE	/.5	

ANALYTICAL RESULTS FOR BATCH NET-5

•						
	SAMPLE ID		TIME		NITRATE	COMMENTS
		EXTRACT*	FILTER**	ANALYZE***	(PPM)	
	0301	0823	0845	582	8	
	0303	6623	0845	0857	M	
£ .	0303	0823	0845	0858		
-28	0304	0823	OBUS	8580	2	
7	0305	C823	5480	9889	/	
	0306	0823	57.80	0859	3	
	6307	5280	5/180	0900	39	
	0308	0823	5/180	0600	7	
	0309	0823	5/180	0,600	0	
	0310	0823	3480	1060	رم	
	0310 EVP MB	0823	M : 11. H	7060 2060	1,0	1
		Signature	(Lab. Tech.)	,		Signature (Review/Approval)
	cets.	Step 2 "F" completed	(The Car	••Step 2.1.2 "" completed.	completed.	***Step 2.2 "F" completed.

LAB. TECH. NAME Jim Denton / R. Methurn

SITE IDENTIFIER XRL70/54

DATE 8/29 94

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	14	9250
ST-2	15	0730
ST-3	p1	1840
AVERAGE	14.3	

ANALYTICAL RESULTS FOR BATCH

SAMPLEID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
Ø0151	08.30	0400	0110	4	
0152	0830	0600	0411	0	
0153	0830	0900	2750	2.	
100	0830	0060	2160	2	
0155	08.30	0060	8130		
0/56	0830	0600	09,3	2	
F 510	<i>c</i> 8 30	0060	6114	7	
0,88	28.30	0060	69/5	\mathcal{L}	
0159	0830	060	0915	2	
0910	1260	5460	0355	3	

F-29

**Step 2.1.2 "j" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAME Jim Central Phonds SITE IDENTIFIER KRLIN 154
DATE 8/29/94

STANDARD ANALYSES

	つ コンドラ つこつ	0.00
STANDARD	PPM	TIME
I-IS	p1	0729
Z-1S	5/	0730
E-1S	h/	0731
AVERAGE	14.3	

ANALYTICAL RESULTS FOR BATCH ___

SAMPLE ID		TIME		NITRATE	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
1910	1250 1250	0545	9560	5	
2910	1260	645	0956	0	
6910	1250	5450	6957	2	
1910	1260	5450	4560	7	
0165	1260	5750	8560	12	
MR	dN	2450	3560	0	
0160 AUA	1260	5760	5550	ν.	

da Mchar 8/29/94

**Step 2.1.2 "j" completed.

*Step 24.2 "F" completed.

Signature (Review/Approval)

***Step 2.2 "F" completed.

LAB. TECH. NAMEJIM DEN PONTADAJA SITE IDENTIFIER KRLTDISY
DATE 8/26/14

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	14	0750
ST-2	15	0751
ST-3	15	0752
AVERAGE	14.67	

ANALYTICAL RESULTS FOR BATCH ALLT-3

		IME		NI KA II	COMMENTS
	EXTRACT*	FILTER**	ANALYZE***	(PPM)	
0284	082(0851	9160	45	
7.285	1280	1880	£160	0	
1800	780	1880	8760	8	Imuble Filtering Lang soil
2007	1280	1880	6160	C	Traible Filtering heavy soil
m83	0821	0851	0250	Ŋ	Trouble filtering heavy soil
7800	0821	1580	1760	48	
00.85	0350	4101	1030	Q	
0086	0350	9101	1031	-	
4800	0550	9101	1032		
0000	0420	£101	1033	C	

Signature (Lab. Tech.)

*Step 2.1.2 "f" completed.

**Step 2.1.2 "j" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

SITE IDENTIFIER KRLT DI 54 LAB. TECH. NAME Jim Denton/Rhonda DATE 8/26/94

STANDARD ANALYSES

		0.0
STANDARD	PPM	TIME
ST-1	7.1	0750
Z-1S	1.5	1550
E-1S	51	0752
AVERAGE	エク・ト	

ANALYTICAL RESULTS FOR BATCH NII-3

					 	,				
COMMENTS									Signature (Review/Approval)	***Step 2.2 "f" completed.
NITRATE	(PPM)	0	1						İ	completed.
	ANALYZE***	1034	1035					4		**Step 2.1.2 "j" completed.
TIME	FILTER**	F101	1017					Porter.	Lab. Tech.)	eted.
	EXTRACT*	0550	0950					MITTER	Signature (*Step 2.1.2 "f" completed.
SAMPLEID		0089	0600					B	2	dats.

NITRATE FIELD SC., EENING WORKSHEET

LAB. TECH. NAME J.R. Denton

SITE IDENTIFIER KRLTIO (54

DATE 24AUG

STANDARD ANALYSES

STANDARD	PPM	TIME
ST-1	17	1165
ST-2	ا ک	1116
E-1S	9/	1117
AVERAGE	7.6	

ANALYTICAL RESULTS FOR BATCH NIT -/

COMMENTS								
NITRATE	(PPM)	۵	4					
	ANALYZE***	41216	8171					
TIME	L							
	EXTRACT*	6711	6711					
SAMPLE ID		0276	4420					

£ . 33

Signature (Lab. Tech.)

*Step 2.1.2 "f" completed.

**Step 2.1.2 "j" completed.

Signature (Review/Approval)

***Step 2.2 "f" completed.

NITRATE FIELD SCREENING WORKSHEET

SITE IDENTIFIER KRLTD154 LAB. TECH. NAME Jim Denton / Rhonde DATE 8/25/94

STANDARD ANALYSES

316	SI ANDARD ANALTSES	TOES
STANDARD	Mdd	TIME
ST-1	14	0800
ST-2	15	0801
ST-3	h1	0802
AVERAGE	14.3	

ANALYTICAL RESULTS FOR BATCH NTT-2

	SAMPLE ID		TIME		NITRATE	COMMENTS
0278 0839 0850 0220 0835 0850 0251 0835 0850 0287 0835 0850 0283 0835 0850		EXTRACT*	FILTER**	ANALYZE***	(PPM)	
027-9 083-9 0850 0280 083-9 0850 0281 083-9 0850 0283 083-9 0850	8420	0839	0850	0908	2	
0250 0835 0850 0281 0839 0850 0282 0835 0850		0839	0880	6060	2	
0281 0839 0850 0287 0835 0850 0283 0839 0850		0835	0850	0110		
0287 08.39 08.50 02.83 08.39 0.850		0839	0880	0911	000	
0839 0850		08.39	OBSO	0412	7	
	0283	0839	0850	09/3	2	
		`				
	•	7				

Signature (Lab. Tech.)
25/40, 9/6
*Step 2.1.2 "F" completed.

**Step 2.1.2 "J" completed.

***Step 2.2 "f" completed.

Signature (Review/Approval)

LAB. TECH. NAMEJIM Denton/Rhouda

SITE IDENTIFIER KRLT 0 154

BATCH NUMBER TLC-19

QUALITY ASSURANCE/QUALITY CONTROL

Туре	Concentration/ID	ation/ID Spot Time Rf	Rf	Notes
Method Blank	N/A	1035	Ф	
Standard 1	BOD PETN	0950	9	In nethone mane
Standard 2	1000 PETH	7560	6	IN acetane Mines
Standard 3	100 Diesel	1005	6	IN herane conce
Standard 4	500 Diese	7101	6	In hexane mace
Soil Blank			١	7
Matrix Spike	100000 Diesel	1020	6	IN action & Krane ance
Blank Spike Replicate	10000 DIEZE!	1029	6	IN account & hexame rance

Signature (Lab Tech)

Signature (Review/Approval)

		1										
	Notes											
	Rf	1	ý	Φ	Φ	Þ	Ф	Ф	Φ	ф	ф	9
SAMPLES	Solvent (mL)	뺭	7	ī	4	ח	. 4	Ч	Ч	Ц	d	ח
	Sample (grams)	1	5.	5.	5.0	5.1	5.1	5.1	5.1	5.)	5.1	5-0
	Spot Time		0440	£150	0555	1003	1011	1019	1645	1053	1026	1033
	Q	<u>्रहा</u> ड्रे	P120	6215	0216	7120	0218	0219	0220	0220 AUA	1220	2220

Signature (Lab Tech)

Signature (Review/Approval)

	Notes								
	Rf	Ø	C	P					
SAMPLES	Solvent (mL)	7	Н	h					
	Sample (grams)	5. /	5.1	ر 					
	Spot Time	0001	£ PU/	450'					The state of the s
	Ω	027.3	D220	6,775					

Signature (Review/Approval)

LAB. TECH. NAME Jim Denton / Rhonda SITE IDENTIFIER KRLTDISY BATCH NUMBER JLC-18 DATE 9/19/94

	QUALITY A	QUALITY ASSURANCE/QUALITY CONTROL	ALIIY CON	TROL
Type	Concentration/ID	Spot Time	Rf	Notes
Method Blank	N/A	:113	Ф	
Standard 1	800 PETN	1025	Ь	In are lone muce
Standard 2	1500 PETA	1030	5	In achie mer
Standard 3	100 Diese /	1036	6	La Krene Pare
Standard 4	/250 Diese/	7601	a	In herene Cons
Soil Blank)	١	١	D
Matrix Spike			1	
Replicate)	1	١	

Junda Mether Signature (Lab Tech)

Signature (Review/Approval)

111111

			טאווו רבט		
ū	Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
5143	09 58	5.0	ф	θ	
7710	1004	0.0	7	Ф	
5410	1011	5.0	٦/	4	
0146	4101	5.0	4	Φ	
4110	5201	5.0	7	Φ	
0 T C	1031	Ċ.	h	9	
5110	1039	4.9	h	Φ	
61.50	9401	8.0	П	Φ	
2020	11.5	5.0	ħ	þ	
£.020	51	4.9	h	Φ	
8070	711	5.0	73	Ф	

Signature (Lab Tech)

F-39

Signature (Review/Approval)

SAMPLES

Œ	Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
5020	1127	4.9	}	Ф	
0120	1134	5.0	77	Ø	
1120	9711	5./	7	Ө	
2120	1126	5.0	П	4	
5120	1134	6.0	h	B	

Fluck Mithur Signature (Lab Tech)

F-40

Signature (Review/Approval)

LAB. TECH. NAME Jim Denton/Ronde

SITE IDENTIFIER 1KRLI DIS4

BATCH NUMBER 76C - 17

	QUALITY A	QUALITY ASSURANCE/QUALITY CONTROL	ALITY CON	TROL
Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	N/A	1348	Φ	
Standard 1	BOD PETAL	1210	6	In acetone range
Standard 2	DOC PETAL	1220	6	In actions concer
Standard 3	100 0,000	1230	5	IN LEXANC TANGE
Standard 4	500 Diesel	0 121	6	In became rance
Soil Blank	42	47	Φ	7
0140 5.13 Matrix Spike	100000 Director	1255	9	The acobase & horane range
Blank Spike Replicate	1000CO DIESE!	1306	6	In acetone & hexame range

Signature (Lab Tech)

Signature (Review/Approval)

SAMPLES	me Sample (grams) Solvent (mL) Rf Notes	5.1	j 5.1 d e	5.0 4 6	3. 5.1 4 6	5.0	5.1	5.0 4 6	5.0	5.1	3 5.0 4 6	5.1
	Sample (gra	5.1	- 32	5.0	5.1	5.0	5.1	5.0	5.0	1.5	5.0	5.1
	Spot Time	1232	1339	1246	1253	1255	1305	1311	1316	1325	1453	
	OI	013 /	0132	0133	0134	OBS	0136	5110	0.38	5810	OFIC	ON 40 DUD

Signature (Lab Tech)

Signature (Review/Approval)

	Notes								
	Rf	φ	0	6	t				
SAMPLES	Solvent (mL)	4	7	4	h				
S	Sample (grams)	5.0	4.9	5.0	4.9				
	Spot Time	1329	(335	1348	0181				
	QI	0141	20192	RE 0012	RE-0026				

Thenda Methers

Signature (Review/Approval)

LAB. TECH. NAME J.M DRAHON/ RLOMAL SITE
DATE 9/16/94 BATC

SITE IDENTIFIER KRUTAISY

BATCH NUMBER TUC-17-

CONTROL	Rf Notes	4	Tas acetame tance	In acopine rance	TN hexane Mance	The hexame range	2	In aretone a besone rates	In acetonic & herane lange
QUALITY ASSURANCE/QUALITY CONTROL	Spot Time F	1320 6	1205	1215	1225	1235	1315	5 5/27	1301
QUALITY ASSU	Concentration/ID Sp	N/A	800 DETH 1	1000 PETAI	100 Diesel			100000 Desc/	4000 Diesel
	Type Cor	Method Blank	Standard 1	Standard 2	Standard 3	Standard 4	Soil Blank	2040 4.9 100 Matrix Spike	Raplicate 100

Signature (Lab Tech)

Signature (Review/Approval)

Jage 1

	Notes											
	Rf	Φ	T.	t	d	t	Ġ.	¢	Ġ	9	¢	Φ
SAMPLES	Solvent (mL)	ή	Ц	ה	h	ħ	h	ħ	h	ק	h	þ
S	Sample (grams)	ج ن ن	5	5.0	4.9	. 5.1	5.0	0 %	4.9	5.0	- 20	5.[
	Spot Time	1130	1136	1711	0717	1.58	/205	1771	1218	1225	1325	/335
	QI	0031	7000	0033	0034	0035	2003	4500	C038	2500	0000	CO40 DW

Signature (Lab Tech)

F-45

Signature (Review/Approval)

LAB. TECH. NAME JIM DENTON / Rhowder SIT

SITE IDENTIFIER KRUTALISY

BATCH NUMBER TAIT-16

	QUALITY /	QUALITY ASSURANCE/QUALITY CONTROL	ILITY CON	TROL
Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	N/A	1336	Q	
Standard 1	SOO PETN	1254	Ь	In acetome rance
Standard 2	ACCO PETM	1305	6	In acetone rance
Standard 3	100 Diese/	1312	6	IN KEYGNE PANCE
Standard 4	500 Diesel	13.10	Ь	Ly herone Panor
Soil Blank				7
Matrix Spike	100000 Diese/	1325	6	In hexane & are love rivare
Blank Spike Replicate	100000 Diesel 4000 PETN	(333	6	In hexand & acelone range

Khinda Methren Signature (Lab Tech)

Signature (Review/Approval)

SAMPLES

	Ω	Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
3 (155 5.1 4 3 (155 5.1 4 4 120 5.1 4 5 120 5.1 4 7 1220 5.1 4 7 1220 5.0 4 8 1239 5.0 4 9 1239 5.0 4 1245 5.0 4	0001	11 35	5./	7	Þ	
(155 5.1 4 1204 5.1 4 1212 5.1 4 1220 5.1 4 1220 5.1 4 1224 5.0 4 1235 5.0 4 1235 5.0 4 1245 5.0 4 1245 5.0 4 1248 5.1 4	0000	9511	5./	7	Ø	
1204 5.1 4 1212 5.1 4 1220 5.1 4 4 5.0 4 1235 5.0 4 1235 5.0 4 1235 5.0 4	CC03	(155	5.1	4	Ф	
1220 5.1 4 1220 5.1 4 1230 5.0 4 1233 5.0 4 1235 5.0 4 1235 5.0 4	DCC4	1204	5./	4	Þ	
1,220 5.1 4 1,237 5.0 4 1,235 5.0 4 1,245 5.0 4 1,245 5.0 4	5,507	7712	5.[7	ψ	
723 5.0 4 723 5.0 4 7245 5.1 4 745 5.0 4 748 5.0 4	7200	1220	5.7	П	Φ	
1233 5.0 4 1235 5.1 4 1245 5.0 4 1348 5.1 4	£00)	1227	5.0	ħ	Φ	
1239 5.1 4 1245 5.0 4 1348 5.1 4	8000	/233	5.0	þ	Φ	
7 5.0 d	600	1239	5./	/7	Φ	
7 15 870	0100	5,77	5.0	þ	Φ	
	123	8771	5.1	4	P	

Signature (Lab Tech)

F-47

Signature (Review/Approval)

十	1		SAMPLES	1	
-	Spot I ime	Sample (grams)	Solvent (mL)	¥	Notes
	1259	5.1	4	Φ	
	£081	5.0	Ч	ψ	
-	1315	5.1	Ч	P	
	1321	5.[Ĵ>	€÷	
	1329	4.9	ħ	¢	
	1336	5.0	77	6	
	1343	5.0]7	0	
	1350	6.0	h	Φ	
	1343	4.9	Ь	ф	
CO20 AUD	1350	5. i	h	q	,
	7355	5.1	h	Ø	

Thomas Methon

Signature (Review/Approval)

г				· - T							
	Notes										
	Rf	Φ	0	0	Ф	0	Φ	Ø	0	Φ	
SAMPLES	Solvent (mL)	4	þ	7	Ц	4	η	Ц	h	. h	
V)	Sample (grams)	5.0	5. /	5.0	5.1	4.9	5.0	57	5./	5.	
	Spot Time	1405	1413	6141	9241	1428	1359	t0h1	7/11/	1423	
	۵	2007	CC23	4200	7.78	9200	77.00	8200	5700	05.00	

Signature (Lab Tech)

F-49

Signature (Review/Approval)

LAB. TECH. NAME Jr. Deathy / Rhonda

SITE IDENTIFIER KRLTMLS ϕ

BATCH NUMBER TNT-15

NTROL	Notes		the are thus conce	In althoring rance	IN LEXANE TANCE	IN height from e	7	In acopying & hexame ian	In actions of bosque run
ILITY CO!	Rf	4	4	b	6	Ь	4	6	6
QUALITY ASSURANCE/QUALITY CONTROL	Spot Time	1241	1155	12.03	1207	1215	1234	1222	1228
QUALITY /	Concentration/ID	N/A	BOO PETM	1000 DETAL	100 Diese	500 Diesel	ф	100000 Diesel	10000 DIEZI 4000 PETN
	Туре	Wethod Blank	Standard 1	Standard 2	Standard 3	Standard 4	Soil Blank	Matrix Spike	Blank Spike Replicate

Signature (Lab Tech)

Signature (Review/Approval)

		ומחלב, היון ני -ניא								in to verify		
	Notes	Slight indication in hexand resuge, will re-rin	2							Slight indication unlice and to verify	·	
	Rf	2	ф	T.	4	Ŋ	ψ	Ψ	ψ	J	ψ	Ф
SAMPLES	Solvent (mL)	4	Ţ	7	4	7	П	Д	4	h	Ч	Þ
3	Sample (grams)	5.0	5.0	5.0	5.0	4.9	5.0	5.1	5 /	50	5.1	5.1
	Spot Time	1321	1328	1335	1344	1321	1400	1408	9141	ולצו	52h1	1340
	QI	1900	2900	6063	h900	5 900	2966	£900	8900	5900	0500	1400

Signature (Lab Tech)

F-51

Signature (Review/Approval)

							INDICATION IN NETAMO FRANCE. WILL FRANCE.					
	Notes					7						
	R	«C	0	D	d d		4	1) 4) W	C	
SAMPLES	Solvent (mL)	7	7	7	7	7	7	7	ה	7	7	
	Sample (grams)	5./	8.0	5.0	4.9	5./	5.0	5./	5.0	5.(5.1	
	Spot Time	1343	1353	1401	1249	1255	1303	1314	1321	£281	1335	
	Q	7500	0073	P£00	0075	95.00	25.50	81.00	6500	0000	0080 Aup	

Signature (Review/Approval)

Signature (Lab Tech)

		Notes	1 1 177	THOUGHTON IN LEGENT			A MONTH IN MONTH							
	å		ι+	•	p.	6	4	D				_		
SAMPLES	Solvent (mL)		3	77		η	T				-			
Ū.	Sample (grams)		5.	7.	,	5.0	٠. ر. ٨							
	Spot Time		1450	1459	102	400	1360							
	0	100	12 4 5 K K	CARO RE	COCI PE		3069 PE							

Signature (Lab Tech)

1-53

Signature (Review/Approval)

Re-No From 9/13/94

										·		
	Notes	In ocetone muce	In acetonic Parice	IN acetour ance	In actions range	IN acetione marc	IN acetone assuce	In acetine rance	In acetone lance	In acetane myce	7	
	Rf	6	6	5	6	6	6	6	6	6	Ф	
SAMPLES	Solvent (mL)	7	Ц	Д	ц	Ч	4	ц	Д	ન	4	
3,	Sample (grams)	50	5.0	5.0	5.0	5.	5.0	5.0	5.1	5.0	5. (
	Spot Time	1450	1500	150 7	1517	1526	1534	1544	1552	1603	1615	
	QI	1500	5,000	9700	8600	0049	200	0057	8500	0059	0900	

Kinda Methan.

1.54

Signature (Review/Approval)

LAB. TECH. NAME JIM Deritou/ Rhonda.
DATE 9/13/94

SITE IDENTIFIER KRLT 0154

BATCH NUMBER 776-13

QUALITY ASSURANCE/QUALITY CONTROL

Type	Concentration/ID	Spot Time	R	Notes
Method Blank	N/A	1743	Ø	
Standard 1	800 PETM	1645	6	In acetone france
Standard 2	1000 PETM	1655	0	In acedone range
Standard 3	100 Diesel	1703	9	In hexame Pange
Standard 4	500 Diese	1709	6	In hexane range
Soil Blank	ď	1733	Φ	7
Matrix Spike	100000 DEFU	6121	6	IN OCHONE & hexame compe
Blank Spike Replicate	100000 Diesel	1724	6	In accione & hexane range
				7

Hunde Methur Signature (Lab Tech)

Signature (Review/Approval)

				_								
	Notes											
	Rf	φ	Φ	Φ	ф	Ф	Φ	Φ	φ	D	Φ	Φ
SAMPLES	Solvent (mL)	77	η	Ч	ח	T	h	h	Þ	h	P	ħ
	Sample (grams)	5.1	 V	5.1	5	5.0	5.1	8.0	5. (5.1	5.1	5.0
	Spot Time	1237	1244	1253	/300	1308	1322	1330	1337	ShE1	0h£1	1750
	QI)110	2110	5110	PIIO	0115	9110	F110	8110	6110	0120	0120 DUD

Signature (Review

Signature (Review/Approval)

SAMPLES

Ω	Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
0121	/352	5.	4	Φ	
2210	(355)	4.9	Ч	Φ	
0123	1404	5.1	Ų	Φ	
0124	1410	5.1	Ч	Ф	
0125	4/4/	5.	د(Φ	
0126	142d	5.	ק	Ð	
0127.	14.30	5.0	h	Φ	
0128	9841	5.0	h	Φ	
0129	7hh1	5.0	h	Φ	
0130	± <i>hh1</i>	- 9	þ	φ	
					-

Signature (Lab Tech)

F-57

Signature (Review/Approval)

LAB. TECH. NAMEJIM DENIDU/Rhouda

SITE IDENTIFIER KRUDISH
BATCH NUMBER TLC-14

Notes QUALITY ASSURANCE/QUALITY CONTROL R \$ 5 9 0 6 Spot Time 1705 1657 1741 1647 Concentration/ID 800 PETN 1000 PETN 500 Niese 100 Ness Y N Method Blank Standard 4 Standard 2 Standard 3 Type Standard 1 Soil Blank

& Junda Methur Signature (Lab Tech)

Signature (Review/Approval)

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1751

100000 DIREN 4000 PETN 100000 DIREN 4000 PETN

> 13lank Solke Replicate

Matrix Spike

				_								
		4		4/10			4/14		11/6	9/14		
		トプレス		Fe-TUM			1/16 NUT- 8/14		2 2 2 8	פ-רטע		
		Will a		1 m			11 m		Willy	aretone muce inillie-run 9/14		
	Notes	Pance	7	CAMS	7		FOLNCE	7	MACE	COACE	י ר	
		In acelone rance Will re-run alid	-	In ace towe cause Will re-run 9/14			In occtone rance Will		1 acolone marce . Will re-on 9/14	acetone		
		Ţ		1-3			H		7	17		
	Rf	6	4	6	4	Φ	σ	Φ	6	6	Φ	D
SAMPLES	Solvent (mL)	7	Ц	دا	Ц	Ч	ħ	h	ח	П	ή	ή
	Sample (grams)	8.0	1.9	5.0	5.1	4.9	5.0	5.0	5.0	.5. -	5.1	5.[
	Spot Time	1535	7845	1549	1554	1991	3091	5191	1621	8291	1635	8491
	ū	1400	26042	0043	hhou	Shar	9,600	4,00	8700	6100	0050	1500

Rhonda Methur Signature (Lab Tech)

F-59

Signature (Review/Approval)

						_	7	-				
						run 9/14	1/6 NOJ	From 9/14	116 WOJE	from 9/14	from alry	
						Will re-	12,11 6	43,11 6	11,11 50	by Il re	Will re	
	Notes					e Cance	C BACE.	S PANS	e RINGE.	e Cange	اد رمادد	7
						In acetone ance will re-run 9/14	In acelone Pance. 12,11 re-run 9/14	In acctone range 43,11 cerun 9/14	In acetane Pance. Will re-run 9/14	In acctone range will remu 9/14	In acetave ange will re-row 9/14	
	Rf	Ф	Φ	0	@	0	6	6	0	0	6	
SAMPLES	Solvent (mL)	7	J	ה	4	ή	ח	ה	ב	ħ	Ч	
3	Sample (grams)	5.0	8.0	4.9	5. 1	5.0	5.0	5.1	6.0	\$.0	2.1	
	Spot Time	1648	1654	1901	3021	1714	9141	1729	1735	733	5451	
	QI	0052	0053	0054	005.5	9500	C057	8500	0055	0000	000 DUN	

Rhade Mether

Signature (Review/Approval)

LAB. TECH. NAME JIM Realton / Rhoude

SITE IDENTIFIER KRLTO154

BATCH NUMBER 74-12

QUALITY ASSURANCE/QUALITY CONTROL

Туре	Concentration/ID	ation/ID Spot Time Rf	Rf	Notes
Method Blank	W/A	1218	Ф	
Standard 1	800 PETN	1125	9	
Standard 2	1000 PETN	1134	9	
Standard 3	500 Diese	h911	6	
Standard 4	100 Diese	<u></u> ከተ።	9	
Soil Blank	₹ 7	NA	N4	
505 Matrix Spike	10000 Diese	1212	d	
Blank Spike Replicate	100000 Diesel	1203	6	

Signature (Lab Tech)

Signature (Review/Approval)

							TUR to confirm	,			
Notes							IN account thate. RETURN to continue	つ			
R	φ	Φ	Φ	Φ	Φ	φ	6.8	Φ	Φ	¢	p
Solvent (mL)	7	þ	7	J	4	4	h	7	7	Ц	ή
Sample (grams)	5.0	5.1	5	6.0	5.0	5.1	5.0	5.0	5.1	3m 5.1	5. /
Spot Time	1040	1046	1053	1115	1124	11.37	1146	1155	1203	4.37.5	1235
0	1600	2600	093	1300	2600	2006	₹600	8500	6500	0010	0100 Dup

Signature (Review/Approval)

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Notes											ON 14 Stows when developed in Iching	
Rf	Ф	ф	ø	Φ	Ф	ф	Φ	θ	þ	Ø.	6	
Solvent (mL)	٦	T	T	h	ħ	7	ħ	ħ	7	7	マ	
Sample (grams)	5.0	5.0	6.0	1.5	6.0	2.5	6.0	5.1	5.0	5.0	5.0	
Spot Time	1212	1218	1226	1234	1240	thzi	1257	1243	1353	1300	1335	
QI	1010	2010	0103	P010	sala	9010	F010	8010	0109	0110	1097-RE	

Signature (Review/Approval)

LAB. TECH. NAME J. M. Denton/ Royla

SITE IDENTIFIER KRUTOISY

BATCH NUMBER TLC-11

	QUALITY	QUALITY ASSURANCE/QUALITY CONTROL	ACC A COM	INOL
Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	A/N	1253	4	
Standard 1	BOO DETAL	1155	6	Acetone & Ribber Can
Standard 2	1000 PETM	1200	6	Acetone 4 Resoure MAC.
Standard 3	100 Diese1	1207	6	Acetone d hekane range
Standard 4	1300 Diesel	1215	0	Acetone & hexane range
5.04 Soil Blank	k/ N	0721	φ	7
5.1 9 Matrix Spike	100.000 Diesel	1223	6	Actone & Legane range
Blank Sp. Ke Replicate	100,000 Diesel 4000 PETM	1231	4	Acetone & Levane range

Signature (Lab Tech)

Signature (Review/Approval)

SAMPLES

Spot Time
5.1
1138 8.1
145 5.0
1157 5.0
1210 5.0
1220 5.1
1230 5.1
ر23 \$5.0
1247 5.0
1255 5.1
1301 5.1

ch) Signature (Review/Approval)

F-65

	Notes											In acclose area
	Rf	ф	Φ	Ф	φ	φ	Ф	Φ	Ф	4	¢	6
SAMPLES	Solvent (mL)	4	4	ħ	7	ή	h	И	h	h)7	Y
	Sample (grams)	5.1	5.0	5.1	5.0	5.1	5. (5.0	5. /	5.	5./	8.0
	Spot Time	018/	1315	1323	1301	1310	13/7	1325	1334	1330	1335	1400
	Q	4610	8610	5610	00%	0200 Jup	020(2020	0203	0204	2020	019.3 RE
•											F.	-66

Signature (Review/Approval)

LAB. TECH. NAME Jim Denton RONCHUINSITE IDENTIFIER KRUTOLSY BATCH NUMBER TLL-10 DATE 9/8/94

	QUALITY	QUALITY ASSURANCE/QUALITY CONTROL	LITY CONT	ROL
Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	A/N	1230	Φ	
Standard 1	Всо Рети	1133	6	
Standard 2	1000 PETN	5411	6	
Standard 3	1800 008	1150	6	
Standard 4	1000 Dresel	1200	6	
Soil Blank	\ \	44	AN	
Matrix Spike	100000 Diese 4000 Pet N	OLSI	9	
Blank Spike	F 1	1220	6	

Signature (Review/Approval)

SAMPLES	
	-

LI	OI	Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
	9910	1125	5.0	Н	φ	
	£910	1133	5.	η	Φ	
	8910	1145	5.1	<u>ተ</u>	Ф	
1	6910	1156	5.0	h	9	
	0110	1203	5.1	Н	О	
	1510	1208	5.0	þ	ð	
	7510	1215	5.0	þ	Φ	
	0173	1225	5.1	þ	Ф	
7	htio	1732	5.1	h	Ф	
- 6	2510	1241	5.1	h	Φ	
38	2510	1250	5. (7	9	

Signature (Review/Approval)

Munda Methur Signature (Lab Tech)

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Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
259	5. (7	ф	
305	5. (Ц	Φ	-
1240	5.1	4	ф	
1250	5. į	4	φ	
1257	5.0	4	Φ	
30F	5 1	Ц	φ	
312	5./	h	Φ	
1320	5.0	4	0	
13/3	5.1	М	Φ	
320	5.0	ħ	ф	

hunch Methym Signature (Lab Tech)

F-69

LAB. TECH. NAME JIM DENDON/Rhonda

SITE IDENTIFIER KRLTDISY

BATCH NUMBER 76-9

	Notes								
ALITY CONTRO	Rf	Φ	6	6	6	6	Φ	6	9
QUALITY ASSURANCE/QUALITY CONTROL	Spot Time	1153	0955	1003	10/5	hzoi	0711	ps01	5,601
QUALITY A	Concentration/ID	N/A	PETN 800	PETIN 1000	Nest / 500	Diese 1 1000		DETA 4000	Dies.1 100,000 PETN 4600
	Type	Method Blank	Standard 1	Standard 2	Standard 3	Standard 4	Soil Blank	Matrix Spike	Blank Spke Replicate

Signature (Review/Approval)

PETN FIELD SCREENING WORKSHEET

ſ		\neg			Т					\neg		\neg
	Notes											
	Rf	Ф	Φ	φ	Ø	Φ	Φ	φ	Φ	Φ	Ф	Φ
SAMPLES	Solvent (mL)	Н	Ч	Ц	Н	Н	7	h	h	7	77	h
	Sample (grams)	5.1	5.1	5.0	<i>S</i> .	5.1	5.0	5.1	5.	5.0	5.0	2.5
	Spot Time	1003	1012	1019	1028	1035	1045	1055	1140	128	1147	1155
	Ω	2706	£920	8720	5720	0470	1900	C297	0.299	6567	0300	AND OSO

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Signature (Review/Approval)

LAB. TECH. NAME JIM Deuton PROUDE Methyweite IDENTIFIER KRLTOIS 4 BATCH NUMBER TU-8 DATE 9/2/94

	QUALITY	QUALITY ASSURANCE/QUALITY CONTROL	LITY CON	ROL
Type	Concentration/ID	Spot Time	Rf	Notes
Method Blank	A/N	1200	Ф	
Standard 1	PETN 800	711.5	6	
Standard 2	PETN 1000	1125	6	
Standard 3	DIESFL SOO	1135	6	
Standard 4	DIFSEL 1000	5411	4	
Soil Blank				
Matrix Spike	100000 DIEZE!	0121	6	
Blank Spille Replicate	100000 Diesel	1220	9	

Signature (Review/Approval)

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.) Rf	ф	φ									
		4	Ф	Φ	Φ	9	Φ	ф	Φ	d	Ø
Solvent (mL)	4	7	Ц	7	4	4	ħ	4	4	4	ħ
Sample (grams)	5.1	5.1	5.	5.0	5.1	5.1	1.5	5.[5.0	5. (8.0
Spot Time	क्रेंट्र	1240	1250	1255	1255	5111	1123	1133	Ohli	1150	DOU
0	0251	0252	0253	0254	0.255	0256	0257	0258	0258 0002	0259	0260
	Spot Time Sample (grams)	Spot Time Sample (grams)						Spot Time Sample (grams)	Spot Time Sample (grams) 12.28 5.1 1240 5.1 1255 5.1 1115 5.1 1123 5.1	Spot Time Sample (grams)	Spot Time Sample (grams)

Signature (Review/Approval)

Signature (Lab Tech)

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	Notes									
	Rf	B	φ	Φ	t	Ø	b			
SAMPLES	Solvent (mL)	h	4	4	Ц	Н	h			
8	Sample (grams)	5.0	5.0	5.0	5.0	6.0	5.1			
	Spot Time	1205	1213	1220	1230	1240	1250			
	OI	DILLO DUD	0261	0262	0263	6264	0265			

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Signature (Review/Approval)

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LAB. TECH. NAME JIM Denton/Rhoude Methorn SITE IDENTIFIER KRUDISH BATCH NUMBER TLL-7 DATE 9/1/94

	QUALITY	QUALITY ASSURANCE/QUALITY CONTROL	LITY CON	ROL
Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	W/A	1,230	ϕ	
Standard 1	PETN 800	1135	9	
Standard 2	PETN 1000	1150	6	
Standard 3	DIESEL 500	1210	6	
Standard 4	Dieser 1000)	12.20	9	
Soil Blank	٧	1240	bo	
Matrix Spike	100000 DIRESULT HOCO PETH	1305	6	
Blazik Spike	100000 Diese	>>61	0	

Dund Methun Signgture (Lab Tech)

Signature (Review/Approval)

	Notes											
	Rf	Φ	θ	B	Ф	0	Θ	Φ	Φ	θ	ф	Ø
SAMPLES	Solvent (mL)	d d	Ц	Ч	h	7	4	7	h	ħ	ח	ф
3	Sample (grams)	5. 0	5.0	5.1	1.5	2.5	5.0	5.0	8.0	5.0	5.0	5.0
	Spot Time	1313	1325	1335	1345	0/340	1135	1150	1155	1205	8121	1220
	O	8270	0239	0740	024C DUD	1 120	2,720	5773	phzo	5/120	9870	0287

Signature (Lab Tech)

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1236 5.1 4 9 1246 5.1 4 9 1250 5.0 4 9 1306 5.0 4 9 1313 5.1 4 9 1320 5.0 4 9 1325 5.0 4 9		Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
5.1 4 5.0 4 5.0 4 5.1 4 5.0 4 5.0 4		1230	2.1	7	Ф	
5.0 4 5.0 4 5.1 4 5.0 4 5.0 4 5.0 4		1240	5.1	4	Φ	
5.0 4 5.1 4 5.0 4 5.0 4 5.0 4		1250	5, (77	Φ	
5.1 4 5.0 4 5.0 4 5.0 4		1259	5.0	Ц	Φ	
5.0 4 5.0 4 5.0 4		1306	5.1	Ч	Φ	
5.0 4 S.0 4		13/3	5. (ק	Φ	
5.0 4	_	1320	5.0	4	0	
	_	1326	8.0	7	Φ	
	_					
	_					
_	_					

Signature (Lab Tech)

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LAB. TECH. NAMETIM Dewton / Rhough

SITE IDENTIFIER KRLTDJSY

BATCH NUMBER 766-6

	QUALITY A	QUALITY ASSURANCE/QUALITY CONTROL	LITY CON	ROL
Type	Concentration/ID	Spot Time	Rf	Notes
Method Blank	N/A	1200		
Standard 1	PETH 800	0101		
Standard 2	PETN 1000	1021		
Standard 3	705 73521	1031		
Standard 4	MESEL 1000	1045		
Soil Blank				
Matrix Spike				
Replicate				

This de Mither 8/31/

Signature (Review/Approval)

							1 8/31								
	Notes						Strong inducation, Perov 8/31	7							Signature (Review/Approval)
	Rf	ф	φ	Ø	Φ	φ	6	Φ	ф	φ	φ	Φ			Sign
SAMPLES	Solvent (mL)	T	Ц	η	th.	ד	ħ	П	Ц	Ц	ħ	ф	-	8/31/94	
	Sample (grams)	5.0	5.0	15	5.0	5.0	5.1	6-0	5.0	5.1	6.0	5.1	Inter	j	Signature (Lab Tech)
	Spot Time	1210	1220	1230	021	6521	7255	1010	0201	1030	0501	6501		They be	Signatu
	Q)	0226	4220	8229	6220	0230	0231	0232	0233	0234	0235	0236			

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	Notes								Hexave muce. Assitive		Signature (Review/Approval)	
	Rf	Φ	Θ	0	Φ	Φ	Ф	P	∞		Sign	
SAMPLES	Solvent (mL)	Ц	4	П	ħ	Ь	h		ħ		131/18	
3	Sample (grams)	6.1	5.0	5.1	5.1	5.0	5. (5.1		Luth 8/31/54 Signature (Lab Tech)	
	Spot Time	1200	1206	1216	1226	1236	1246		1330		Junda Signatur	
	Q	7520	027	02+2	6233	b+20	0275		0231 R	•		

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PETN FIELD SCREENING WORKSHEET

LAB. TECH. NAME Jim Denton/Rhonde Mcthury SITE IDENTIFIER KRUTDISC BATCH NUMBER ACTAL S DATE 8/30/94

QUALITY ASSURANCE/QUALITY CONTROL

Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	N/A	1135	b	
Standard 1	PETN 800	0001	9 (4)	9 (a) Acetone
Standard 2	PETN 1000	(210)	9 (A)	Ace tout &
Standard 3	DIESEL 500	1035	ь	Hexane
Standard 4	DIESEL 1000	1/30	Ь	11,000,000
Soil Blank	σZ	1155	φ	
Matrix Spike	100000 DIESEL 4000 PETA	1209	Ь	Actone & Hexane
BLANK SPIKE	4000 PETH	1223	6	Acclose & Hexan

Signature (Lab Tech)

Signature (Review/Approval)

			SAMPLES		
OI	Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
030(5h 71	5.0	7	φ	
1050	1237	8.0	ח	φ	
0303	1225	5.0	4	φ	
0304	1010	5.1	4	Φ	
0305	1025	5.0	h	¢	
2306	£60/	5. /	7	4	
0307	//350	5.0	7	φ	
63.08	1135	5.1	7	Ф	
6309	1150	5.0	h	P	
0310	1203	₽ .0	7	9	
0310 D.D	1215	€.4	7	P	

Signature (Lab Tech)

7LC BATCH NUMBER <u>イ本 Peth</u>ーリ LAB. TECH. NAME JIM DENTED / RLONCL Methon SITE IDENTIFIER KRLTD 154 DATE 8/29 94 QUALITY ASSURANCE/QUALITY CONTROL

Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	W/W	1410	φ	
Standard 1	PETM BOC	1225	6	Acelone
Standard 2	PETN 1000	1240	6	Acetone
Standard 3	DIESEL 100	1255	Ь	Hexane
Standard 4	DIESEC 500	1310	6	Hexane
Soil Blank	None	1325	Φ	
Matrix Spike	PETN 400 Diesel 500	1340	6	Acebur & Hxans
Blank Spike Roplicate	Petn 400 Diesel 500	/355	6	Aretone & Hexans

Signature (Lab Tech)

Signature (Review/Approval)

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Ō	Spot Time	Sample (grams)	Solvent (mL)	Rf	Notes
1081	1425	5.1	h	6	
0082	1440	5.0	h	Ð	
5800	1455	5.0	h	Ф	
0088	1525	5.0	ר	Q	
0000	0k51	5.0	h	Ф	
6/5/	1510	5.(רן	0	
0152	1525	5.1	ħ	Ф	
0153	1535	5.1	ħ	Φ	
4510	1545	5.0	h	Φ	
0155	1225	5.0	コ	Φ	
95/0	1240	5.0	7	φ	

Signature (Lab Tech)

	Notes											
	Rf	0	Ф	φ	Φ	φ	φ	0	Φ	Φ	ф	
SAMPLES	Solvent (mL)	J	Ч	4	7	7	7	7	7	P	7	
	Sample (grams)	5.1	5.0	5.0	5.0	5	5.0	5.0	5.0	5.0	5.0	
	Spot Time	1255	1310	1325	1340	1355	1410	5.4 1425	0771	145.5	\$510	
	QI	F 510	3510	9510	0110	0161	0162	0.163	4710	2910	0160 030	

LAB. TECH. NAME Jon / Rhowha DATE 8/26/54

SITE IDENTIFIER KRLT DIS-

	QUALITY /	QUALITY ASSURANCE/QUALITY CONTROL	NOD LLITY	TROL
Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	N/A			
Standard 1	800 PPM PETM	1245	ь	Acetone
Standard 2	1000 PPM PETM	1300	6	Acetore
Standard 3	100 Pm Diesel	1315	6	Hexane
Standard 4	SOC PPM Diesel	1330	6	Hexane
Soil Blank	ΛĄ			
Matrix Spike	₹ N			
Replicate	4			

Signature (Review/Approval)

Signature (Lab Tech)

											1		
	Notes			Added Nas Sou									
	Rf	¥	ф	ψ	ф	Φ	\$	Ф	Þ	Φ	Ф	Ø	
SAMPLES	Solvent (mL)	4	4	5	4	Ą	ħ	þ	þ	ħ	h	ħ	
	Sample (grams)	5.]	5.1	4.9	4.9	5.1	5.1	5.0	15	6.8	1.5	1.3	
	Spot Time	1400	1415	1430	1445	1500	15/5	1530	1545	1600	1615	1630	•
	QI	9±20	FF20	h820	0185	1800	1800	0085	9800	0083	287	8800	

					<u> </u>		I		
	Notes								
	Rf	Φ	Φ	φ					
SAMPLES	Solvent (mL)	4	4	Ь					
,	Sample (grams)	5.1	5.1	¢					7
	Spot Time	1615		13					1
	O	008 3	0000	Madrix Blank		1			

LAB. TECH. NAME Jim Denibri / Rhowla DATE 8/25/14

SITE IDENTIFIER KRLT 154

BATCH NUMBER TLC - 2

QUALITY ASSURANCE/QUALITY CONTROL

Туре	Concentration/ID	Spot Time	Rf	Notes
Method Blank	W/W	1215	\$	
Standard 1	PETN 2000	12:39	0	Archine
Standard 2	PETN 400	12:53	6	Acetone
Standard 3	Nese! 100	/310	6	- Lexano
Standard 4	Diese 1 500	1327	6	HEXGNE
Soil Blank				
Matrix Spike	4000 Person	575/	6	Acetone
Replicate				

B. Contor

Signature (Lab Tech)

Signature (Review/Approval)

SAMPLES	pot Time Sample (grams) Solvent (mL) Rf Notes	1339 5.0 4ml RP9 (Hexane) Strong hydrocor ton	5.1 Un 1889	1410 5.0 Uni	1427 5.0 ym/ 0		1455 5-6 4ml 0	1500 5,0 4m 0		1530 5.1 4ml &	1530 5.0 4ml &
	Spot Time	1339	1355	1410	1427	1440	1455	/500	(5/5	1580	(530
	QI	3276	ttro	C278	27.5	0280	0281	0282	6283	5W 0820	0 00 Oct

Signature (Lab Tech)

AVEL CALE ON PETN FIELD SCREL IG WORKSHEET

LAB. TECH. NAME AhoudA

DATE 24 Aug 94

SITE IDENTIFIER 108 LSD 154

BATCH NUMBER TLC /

QUALITY ASSURANCE/QUALITY CONTROL

	QUALITY	QUALITY ASSUKANCE/QUALITY CONTROL	LITCON	ROL
Type	Concentration/ID	Spot Time	Rf	Notes
Method Blank	N/A			140 Vetection
Standard 1	40 ppm (Pissu			No indiay him
Standard 2	32 pom/p=52			No industice
Standard 3	100 frm Dienel			V13.610
S andard 4	Souplin Diesel			1,5,010
Soil Blank	N/M			
Matrix Spike	NIM			
Replicate	dh			

Signature (1 ob Tech)

Signature (Review/Approval)

	4.						
Notes	of Sting Hydricaster indication			-			
7.5	6'						
Solvent (mL)	I'M. Lame						
Sample (grams)	1						
Spot Time	1515						
Q	KRLTD 154						

F-92

DATE 9/20/94

SITE IDENTIFIER KRLT 154

BATCH NUMBER TNIT-19

TIME 0826

Abs(background) 0.000 Abs(control) 0.355

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final) [col. 3 - col. 4]	TNT Conc. PPM [col. 5/0.0323]
0214	0.000	0.002	0.000	0.002	0.062
0215	0.000	0.005	0.000	0.005	0.155
0216	0.000	0.001	0.000	0.001	0.031
0217	0.001	0.002	0.004	- 0.002	Ð
0218	0.001	0-003	0.004	- 0.001	8
0219	0.001	0.002	0.004	- 0.002	Θ
0220	0.001	0.003	0.004	- 0.001	Ð
DZZU DUD	0.001	0.003	0.004	-0.001	Θ
50551 JE 117	0.001	O.COL	0,004	-0.002	Ð
0221	0-001	0.002	0.004	-0.002	0
0222	0.001	0-003	0.604	-0.001	6

Rhonda Melher.
Signature (lab tech)

LAB. TECH. NAM <u>I</u>	9/20/94	Rhonda Methvin	SITE IDENTIFIER KRLTAISY BATCH NUMBER TNT-19
		TIME	0826
Abs/background)	A (VV)	Abs(control)	0.355

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
0223	0.001	0.004	0.004	0	G
0224	0,002	0.004	0.008	-0.004	6
0225	0.001	0.005	0.004	+ 0.001	0.631
					<u> </u>

Phinda Methurn
Signature (lab tech)
Signature (review/approval)

LAB. TECH. NAMEJIM Denlow Rhow do. Methyin

SITE IDENTIFIER KRLTA 154

BATCH NUMBER TNT-18

TIME 0928

Abs(background) 0.001

Abs(control) 0.349

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
1038	0143	0.002	0.003	<i>0.0</i> 08	-0105	O
	0144	0.002	0.004	0.008	·· 0.004	0
	0145	0.003	0.004	0.012	- 0.008	θ
	0146	6,003	0.004	0.012	-0 008	A
	F110	0.003	0.004	0.012	- 0.008	ð
	0148	0.003	0.004	0.02	-0.008	6
ı	0149	0.004	0.008	0.016	800.0	G
	0150	0.00	0.005	0.016	-0.011	Ó
1	6206	0.004	0.007	0.016	-0.009	ê
	0207	0.005	0.007	0.020	-0.013	€
İ	0208	0.004	0.009	0.016	- 0.007	8

Signature (lab tech)

DATE 9/14	Newlond Rhands- Melhung	SITE IDENTIFIER KRLT1 154 BATCH NUMBER TNT-19
Abe(background) 0 /	A1 . (1)	0928 0 349

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
0209	0.005	0.007	0.020	-0013	0
0210	0.006	0.008	0.024	-0016	6
0211	v.co5	0.007	0.020	-0.013	G
0217	0.006	0.014	0.024	- 0.010	E
0213	O.CCV.	0.010	0024	-0.014	₽

Phyda Methern Signature (lab tech)

LAB. TECH. NAME JIM DENION Phende.
Methun
DATE 9/16/194

SITE IDENTIFIER KRLT13154

BATCH NUMBER TNT-17

TIME 100

Abs(background) 0 (C) Abs(control) 0.367

	1	2	3	4	5	6
Г				Ab- (i-iai-i) v A		TNT Conc. PPM
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	[col. 3 - col. 4]	[col. 5/0.0323]
10	0031	0.001	0.002	0.004	- n.mz	O
9.9	0032	0.001	0.007	0.004	~0.002	0
10	0033	6.000	0.001	θ	0.001	0.031
7.9	0034	0.002	0.009	0.008	0.001	0.031
10	0035	0.001	0.007	0.004	0.003	0.093
10	0036	0.001	0.003	0.004	- 0.001	8
9.9	0037	0.000	0.002	Θ	0.002	0.062
4 9	0038	0.001	0.003	0.004	-0.001	Ð
99	0039	0.001	6.003	0.004	-0.001	0
10	0040	0.001	0.063	0.004	- 0.001	Ð
10.1	COXIC DUD	0001	0.003	0.004	-0.001	6

thinda I then

Signature (lab tech)

LAB. TECH. NAMEJIM DENTON Phonda Methun DATE 9/16/94

SITE IDENTIFIER KRLT0154

BATCH NUMBER TNT-17

TIME 1600

Abs(background) 0.001 Abs(control) 0.367

		2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
10	Soil Blank	0.00	0.604	0.004	€	A
10	0131	0.001	0.002	0.004	-0.002	<u>e</u>
10	0132	0.001	0.002	0.004	- 0.002	e
10		0.001	0.003	0.004	- 0.001	0
9.9	0/33	0.003	0.012	0.012	Θ	6
10.1	0/35	0.001	0,003	6.004	-0.001	e
10	0136	0.001	0.005	0.004	+0.001	0.63
		0.004	0.010	0.016	-0.006	6
9.9	0137	0.001	0.004	0.004	0	θ
10		0.001	0.002	0.004	-0.002	8
10	0139		0.009	0.008	+0.001	0.031
9.9	0140	0.002.	0.00	0.000	1.0.001	

Signature (lab tech)

Lin Lenter

LAB. TECH. NAM <u>E</u>	Jim Denton/	Rhonda	SITE IDENTIFIER KRUTNI54 BATCH NUMBER TAT-17
DATE_	9/16/94	Methun	
Abs(background)	0.001	TIME_	

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
10	0140 000	0.001	0.009	0.004	0.005	0.155
9.5	0141	0.001	0.066	0.004	0-002	0.062
10	0142	0.007	0.007	0.008	-0.001	Ð
	Method Blank	0.001	0.001	0.004	-0.003	0
	Method Blanko	0.001	0.002	0.004	- 0.002	Ô
			`			

Signature (lab tech)

Qui Dertin

LAB. TECH. NAMEIN DONON | Rhowda SITE IDENTIFIER KRLTD 154 BATCH NUMBER TNT-16

TIME 1013

Abs(control) 1.354 Abs(background) _ (ひ・ひつ)

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
1023	OCCI	0.007	0.009	0.078	-0.019	e
	0002	0.000	0.007	6-000	0.002	0.062
ı	6003	0.001	0.001	0.004	0	6
r	0001	0.000	0.003	0.000	0.003	0.693
-	(2005	0.00	0.004	0.004	G	θ
- 1	0006	0.000	0.003	0.000	0.003	0.093
ŀ	m7	0.000	0.001	6.000	6.001	0,031
ŀ	800	0.001	0.005	0.004	0.00	0.031
<u> </u>	0009	0.000	0.003	6.000	0.003	0.093
- 1	0010	0.000	0.003	0.000	0.003	0.093
	0011	0.000	0.001	0.000	0.001	0.03

LAB. TECH. NAMEJIM DENION/RLONGA	SITE IDENTIFIER KRUTIV54
DATE 9/15/94	BATCH NUMBER TNIT-16

TIME 1013

Abs(control) 0.354 Abs(background) 6 000

1	2	3	4	5	6
· ·				Abs (final)	TNT Conc. PPM
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	[col. 3 - col. 4]	[col. 5/0.0323]
0012	0.002	0.004	0.008	-0.004	Ð
0013	0.000	0.004	0.000	0.004	0.124
0014	0.001	0.00%	0.004	-0.002	Ð
0015	0.000	0.003	0.000	0.003	0.093
2016	0.001	0.001	0.004	~ 0.003	8
0017	0.001	0.002	0.004	-0.002	Ð
CV18	0.001	0.002	0.004	-0.002	C
Cryg	0.002	0002	0.008	- 0.004	E
	0.001	0.002	0.004	-0.002	e
(X)20 (X)20	0.001	0.002	0.004	-0.002	E
0020 1)00	0.001	0.093	0.004	-0.001	€
002	0.00	1 0.00		1	

LAB. TECH. NAME Jim Denton/Rhonda Melhving SITE IDENTIFIER KRITHIS4 BATCH NUMBER TNT-16

TIME 1013

Abs(control) 0.354 Abs(background) 0.00

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
0022	0.00	0.003	0.004	- 0.001	6
0023	0.005	0 015	0.020	-0.005	6
0024	0.001	0.004	6.004	Er	6
0025	0.000	0.004	0.000	0.004	0.123
(X)26	0.000	0.001	0.000	0.001	0.031
0017	0.001	0.001	0.004	-0.003	Θ
0028	0.001	0.001	0.004	- 0.003	Θ
0029	0.000	0.001	0.060	0.001	0.03
Ø30	0.000	0.007.	0.000	0.002	0.062
Method Blink	0.000	0.00	0.000	8	8

LAB. TECH. NAME J. m. Penton Rhonda SITE IDENTIFIER KRLTGISY BATCH NUMBER TALT-15

TIME 1015

Abs(control) 0.357 Abs(background) D · OO]

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
1030	0061	0.021	0.038	0.084	-0.046	0
	0067	0.012	0.016	0.048	-0.032	0
Ī	0063	0.012-	0.016	0.048	-0.032	8
	0064	0,013	0.016	0.057	- 6.036	A
	0065	0.013	0.016	0-052	-0.036	0
	0066	0,013	0.018	0.052	-0.034	0
Ĭ	C067	0.013	0.016	6.052	-0.036	0
	0068	0.013	0.016	0.052	-0.036	8
Y	0069	0.203	0.313	0.812	-0.499	A
	0070	0.014	0.016	6.056	-0.040	Ð
	1500	0.015	0.017	0.060	-0.043	8

THT FIELD SCREENING WORKSHEET

LAB. TECH. NAME I'M DENION Phonds MethVIN DATE 9/14/94	SITE IDENTIFIER KRUTOIS 4
DATE 9/14/94	BATCH NUMBER TNT-15

TIME 1015

Abs(background) 0.001 Abs(control) 0.357

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final) [col. 3 - col. 4]	TNT Conc. PPM [col. 5/0.0323]
2072	0.015	0.0%	0.060	- 1.044	0
č073	0.014	0.017	0.056	- 0.039	6
C074	0.014	0.016	0.056	-0.040	A
0075	0.015	0.017-	0.060	-0.043	8
0076	0.017	0.027	0.068	-0.041	6
0077	0.015	0.020	0.060	-0.040	0
0078	0.015	0.018	0.060	-0.042	0
0079	0.015	0.016	0.060	-0.044	0
0086	0.016	0.021	0,064	-0.043	6
COSCIAUD	0.020	0.025	0.080	-0.055	Ð
Soil Blank	0.045	0.048	0.180	-0.133	0
Method Bland	0.016	0.017	0.060	- 0.043	8

Rhunda Methurn Signature (lab tech)

LAB. TECH. NAMEJIM Denlon/Rhonda Methvin

SITE IDENTIFIER KRLTDISY

BATCH NUMBER TNT-13

TIME 1210

Abs(background) (). OCC)

Abs(control) 0.350

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
2 28 10-1	0111	0.005	0.009	0.020	-0.011	Ð
iD	0112	0.005	0.007	0.070	- 0.013	8
10.1	0113	0.005	0.007	0.020	- 0.013	e
10	0114	0.005	0.007	0.020	- 0.013	A
10	0115	0.607	0.008	0.028	- 0.020	₽
10	0116	0.008	0.010	0-032	- 0.022	Ð
9.9	FILO	0-006	0-008	0.024	- 0.016	B
,0	0118	0.006	0.068	0.024	- 0.016	A
10.1	0119	0.006	0.008	0.024	- 0.016	à
10.1	0120	0.008	0.010	0.032	- 0.022	8
פן	0120 Dun	0.006	0.007	0.024	- 6.017	B

Junca Methy Signature (lab tech) Jun Derto

LAB. TECH. NAME J. m. Newton | Rhonda Methyin

SITE IDENTIFIER KRLTD154

BATCH NUMBER TNT-13

TIME 1210

Abs(control) 0.350 Abs(background) O. COC

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final) (col. 3 - col. 4)	TNT Conc. PPM [col. 5/0.0323]
	Soil Blank	0.006	0.006	0.024	- D.018	6
	Method Blank	0.005	0.007	0.020	- 0.013	6
10	0101	0.005	0.007	0.020	- 0.013	÷
101	4 - 0	0.995	0.006	0.020	- 0.014	θ
.9	0123	0.006	0.006	0.024	- 0.018	θ
0	0124	0.005	0.007	6.020	- 0.013	θ
0.1	0175	0.006	0.008	0.624	- 0.016	e
0.1	0126	0.006	0.008	0.024	- 0.016	8
10	0127	0.005	0.007	0.020	- 0.013	0
2. (0128	0.005	0.008	0.020	- 0.012	0
c. l	0129	0.006	0.00&	0.024	- 6.016	θ

LAB. TECH. NAM <u>E</u>	Im Deuton / R. 1/13/94	Londa Methurn	SITE IDENTIFIER BATCH NUMBER	
Abs(background)	0.000	TIME Abs(control)	1710 0-350	

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
10.1	0130	0.006	0.007	0.024	-0.017	0
Ì						
	·					

Signature (lab tech)

Denton

DATE 9/13/94 BATCH NUMBER TAIT-14

TIME 1323

Abs(background) ______

Abs(control) 0.368

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final) [col. 3 - col. 4]	TNT Conc. PPM [col. 5/0.0323]
·5 10.1	0041	0.021	0.08	0.084	- 0.003	e .
10	DG472	0.000	0.003	0.000	0.003	0.092
10	00:13	0.007	0.021	0.028	- 0.007	θ
10.1	6014	0.000	0.002	0.000	0.002	0.062
10	0045	0.000	0.002	0.000	0.002	0.062
A 10.1	0046	0.008	0.036	0.032	6.004	0.124
A 10	6047	0.00-	0.020	0.016	0.004	0.124
CCA 10.1	0048	2006	0.014	0.024	- 0.010	6
G 10	0049	0.013	0.145	0.052	0.093	2.88
10.1	0050	0.008	0.011	6.032	- 0.021	Ð
10.1	005	0.010	0.012	0.040	- 0.028	A

DATE 9/13/94

BATCH NUMBER TN 1-14

TIME 1323

Abs(background) - 0.001 Abs(control) 0.368

	1	2	3	4	5	6
ſ	0 - 1 10	Abelinitial	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM
	Sample ID	Abs(initial)	Ans (sample)	Abs (initial) X 4	(col. 3 - col. 4)	[col. 5/0.0323]
9.4	0052	0.01	0.012	0.048	- 0.036	€
10.1	0053	0.01	0.013	0.044	- 0.031	θ
9.9	0054	0.012	0.014	0.018	- 0.034	A
10.1	0055	0.012	0.016	0.048	- 0.032	θ
10.0	0056	0.070	0.044	0.080	- 0.036	0
10.0	0057	0.018	0.03.5	0.072	- 0.037	θ
10.1	0058	610.0	0.03	0.068	- 0.037	θ
9.9	0059	0.014	0.070	0.056	- 0.036	θ
9.9	0060	0.013	0.00	0.060	- 0.630	Ô
10	0060 DUD	0.016	0.026	0.064	- 0.038	O
·	Method Blank	0.013	0.014	0.052	- 6.038	θ

Signature (lab tech)

Dentin

LAB. TECH. NAMEJIM Denton/Rhouda Melkulai

BATCH NUMBER TAT- 12

TIME 0925

Abs(background) O.OOO

Abs(control) 0.367

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final) [col. 3 - col. 4]	TNT Conc. PPM [col. 5/0.0323]
1003	0091	0.018	0.022	0.072	- 0.05	ð
	0092	0.018	0.022	0.072	-0.05	0
Ī	(2043	0.017	0.021	p.068	- 0.047	Ð
	0094	0.017	0.012	0.068	- 0.046	A
1	0095	0.017	0.019	0.068	- 0.019	Ð
1	0096	0.017	0.019	0-068	- 0.049	Ð
ı	0097	0.017	0.019	0.068	- 0.049	Ð
Ī	0098	0.016	0.022	0.064	- 0.042	Ð
- 1	0099	0.017	0.020	0.068	- 0.048	O
1	0100	0.017	0.018	0.068	- 0.05D	Ð
t	0100 000	0.018	0.021	0.072	- 0.051	0

Abs (control) 0.364

Signature (lab tech)

DATE 4/12/94 BATCH NUMBER TNT-12

TIME 0975

Abs(background) 0.000 Abs(control) 0.317

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final)	TNT Conc. PPM [col. 5/0.0323]
0101	0.017	0.019	0.068	- 0.049	θ
0102	0.018	0.019	0.072	- 0.063	A
0103	0.017	0.000	0.068	- 0.048	Ð
0104	0.017	0.018	0.068	- 0.05	Ð
0105	0.017	0.020	1.068	- 0-048	θ
0106	0.018	0.019	0.072	- 0.053	0
0107	0.017	0.02	0.068	- 0.047	0
0108	0.017	0.023	0.068	- 0.045	0
0109	0.017	0.023	0.068	- 0.045	θ
0110	0.017	0.023	0.068	- 0.045	θ
Method Bhait	1.019	0.019	0.076	- 0.057	8

Signature (lab tech)

LAB. TECH. NAMEJIM DENION/Phondo SITE IDENTIFIER KRLINIS4

BATCH NUMBER TAIT-1

TIME 1010

Abs(background) D.CCO

Abs(control) 1), 3 60

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
1000	0186	0.002	0.005	0008	-0.003	0
	0187	0.003	0.005	0.012	-0.007	0
	0188	0.003	0.006	0.012	- 0.006	G
	0189	0.604	0.009	6.016	- 0.007	P
	0190	0.003	0.007	0.012	- 0.005	A
	0191	0.007	0.009	0.028	-0.019	Ð
	0197	0.003	0.006	0.012	-0.006	θ
	0193	0.001	0.008	0.016	- 0.008	Ð
	0194	0.005	0.006	0.020	- 0.014	ð
	0195	0.005	0.007	0.020	-0.013	A
	0196	0.005	0.006	0.020	-0.014	G

Abs (control) No. 2 0.353

LAB. TECH. NAME J.M Denton Rhonda SITE IDENTIFIER KRLIDISU

BATCH NUMBER TNT-II

TIME 1010

Abs(background) 0.000

Abs(control) 0.360

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final) [col. 3 - col. 4]	TNT Conc. PPM [col. 5/0.0323]
0197	0.005	0.005	D.OLO	-0.015	θ
0198	0.004	0.005	0.016	-0.011	O
0199	0.006	0.007	0.024	-0.017	θ
0700	0.006	0.007	0.024	-0.017	0
0700 DUD	0.005	0.008	0.020	10.012	θ
0201	0.005	0.008	6.020	-0.012	0
0202	0.605	0.006	6.020	-0.014	Θ
0203	0.005	0.006	0.020	-0.014	Ð
0204	0.005	0.006	0.020	-0.014	0
0205	0.006	0.007	0.024	-0.017	0
Soil Blank	0.006	0.006	0.024	-0.018	0
Method Blank	0.000	0.005	0.020	- 0.015	

LAB. TECH. NAME Jim Anton Rhonda Methiliste IDENTIFIER KRLTD154 DATE 9/8/94 BATCH NUMBER THT-10

TIME <u>0941</u>

Abs(control) 6.362 Abs(background) -0, 001

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	, , , , , , , , , , , , , , , , , , , ,	TNT Conc. PPM [col. 5/0.0323]
1000	0166	0.003	0.003	0.012	- 0.009	0
Ì	0167	0.001	0.003	0.004	- 0.001	Ð
İ	0168	0.001	0.003	0.004	- 0.001	0
Ì	0169	0.001	0.003	0.004	- 0.001	Ð
Ì	0170	0.002	0.002	0.008	- 0.006	θ
t	0171	0.001	0.002	6.004	- 0.002	Ð
	0172	0.001	0.003	0.004	- 0.001	Ð
ł	0173	0.001	0.003	0.004	- 0.001	θ
	0174	0.001	0.002	0.004	- 0.002	0
ł	0175	0.001	0.003	0.004	- 0.001	θ
ł	0176	0.001	0.004	0.004	o	0

SITE IDENTIFIER KRUTAISY BATCH NUMBER TNT-10

TIME 0941

Abs(control) 0.362 Abs(background) - 0.001

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
FFIO	0.001	0.004	0.004	A	O -
8510	0.000	0.003	0.000	0.003	0.093
0179	0.000	0.004	0.000	0.004	0.124
0180	0.000	0.002	0.000	0.002	0.062
0180 DUA	0.000	0.002	0.000	0.002	0.062
0181	0000	0.001	0.000	0-001	0.0309
0187	0.000	0.002	().000)	0.002	0.062
0183	0.001	0.002	0,004	- 0.002	θ
0184	0-000	0.00	0.000	0.001	0.0309
0185	0.000	0005-	0.000	0.002	0.062
Method Blank	0.001	0.00	0.004	- 0.003	A

LAB. TECH. NAMEJIM Douton Phonder

SITE IDENTIFIER KRLTNISY

BATCH NUMBER TNT-9

TIME 0856

Abs(background) D. 001

0903

Abs(control) 6.367

3 Abs (final) TNT Conc. PPM Abs (initial) x 4 Abs(initial) Abs (sample) Sample ID [col. 3 - col. 4] [col. 5/0.0323] 0 0.028 -0.019 0.007 0.009 02106 0 0.032 - 0.021 0.008 0.000 0267 0.096 0.021 0 0.009 0.015 0268 0 0.044 0.030 0.014 0261 0.011 0.033 0 0.048 0.015 0.012 0770 0.032 0.016 0.048 0.012 1296 0.037 0.052 D 0-015 0297 0.013 0 0.016 0.056 0.040 1298 0.014 0.048 0.034 0 0299 0.012 0.046 0.026 A 0.018 0.072 0300 0.072 0.049 0.023 0300 DUD

LAB. TECH. NAM <u>E</u> DATE_	9/6/94	Rhands	SITE IDENTIFIER	KRLTD 154 TNT-9
		TIME	0856	
Abs(background) _	0.001	Abs(control)	0.367	

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
Method Blank	0.014	0.015	0.056	- 0.041	₽
Sal Blank	0.014	0.016	0.056	- 0.040	8

Signature (lab tech)

Lentin

LAB. TECH. NAMI	Elin	DENICH	Rhonda
	1	,	Metrum
DATE	9/2	- 144	

SITE IDENTIFIER KRLTDISY

BATCH NUMBER TAT - 8

TIME 0854

Abs(background) 0.002 Abs(control) 0.374

	1	2	3	4	5	6
				A1 1: 1: 1: 1 A	Abs (final)	TNT Conc. PPM
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	[col. 3 - col. 4]	[col. 5/0.0323]
1005	0251	0.020	0.021	0.080	-0.059	8
100 3	0252	0.022	0.042	0.088	- 0-046	H
	0253	0.019	0.021	0.076	- 0.055	0
	A254	0.020	0.025	0.080	- 0.055	θ
	0255	0.020	0.026	0.080	- 0.054	Θ
	0256	0.019	0.022	0.076	- 0.054	<i>\tau</i>
	0257	0.020	0.023	0.080	-0.057	A
	0258-0001	0,020	0.030	0.080	-0.050	0
	0258-0002	0.019	0.023	0-076	-0.053	0
	0269	0.019	0.022	0.076	- 0.054	0
	0260	0.019	0.02	0-076	- 0.055	Ø

DATE 9/2/94	Rhonda Methving	SITE IDENTIFIER KELTDISH BATCH NUMBER THT-8
Abelhackground) (), (V)7	TIME_	0854 0.374

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/Q.0323]
0260 DUD	0.019	0.022	0.088	-0.066	EF
0261	0.020	0.021	0.086	-0:059	0
0262	0.021	0.040	0.084	-0.044	0
0263	0.019	0.02	0.076	-0.055	θ
0264	0.019	0.021	0.076	-0.065	G
0265	0.020	0.035	0.080	-0.045	0
Method Blank	0.019	0.022	0-076	- 0.054	0

Signature (lab tech)

Links

LAB. TECH. NAME Jim Denton/Phuncha Methorn

SITE IDENTIFIER KRUTDISY

BATCH NUMBER TAIT-7

TIME 0914

Abs(background) 0.002 Abs(control) 0.373

	1	2	3	4	5	
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4	Abs (final) [col. 3 - col. 4]	TNT Conc. PPM [col. 5/0.0323]
934 10	0238	0.04	0.022.	0.056	- 0.034	0
iò.		0.013	0.018	0.052	- 0.034	G
10		0.013	0.016	. 0.052	- 0.036	G
14		0.013	0.015	0.052	~ 0.037	0
10		0.015	0.023	0.060	- 0.037	G
p.		0.014	0.022	0.056	- 0.034	0
16		0.014	0.018,	0.056	- 0.038	₽
IC		0.014	0.016	0.056	- 0.040	Ð
10		0-015	0.017	0.060	- 0.043	€
10	Δ.	0.015	0.018	0.060	- 0.042	A
10.	C. A. C.	0.015	0.019	0.060	- 0-041	0

LAB.	TECH. NAM	EJin	Denlon	Lehouida Methuru
	DATE	ra l	01/94	Methylu

SITE IDENTIFIER RPLTD 154 BATCH NUMBER TALT-7

TIME 0914

Abs(background) 0.062 Abs(control) 0.373

	1	2	3	4	5	6
Γ	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM
	Sample 10	Anstitution	Abs (sample)	Abs (illition) X 4	[col. 3 - col. 4]	[col. 5/0.0323]
101	0289	0.015	0.017	0.068	- 0.051	Θ
10.1	0289	0.017	0.017	0-068	- 0.05	€
10	0290	0.017	0.021	0.0840.06	- 0.047	O-
10.1	029/	0.017	0,020	0.0800.06	- 0.048	Θ
10.1	0292	0.017	0.018	0.068	- 0.050	O
10	0293	0.017	0.018	0.068	- 0.050	0
10	0294	0.018	0.021	0.0 3	- 0.051	B
10	0295	0.019	0.021	0.076	- 6.055	Ð
10.1	Soil Blank	0.017	0.020	0.068	- 0.048	8
Γ	Method Block	0.018	0.019	0.072	- 0.053	G

Signature (lab tech)

Linea Methern

Signature (lab tech)

LAB. TECH. NAME	Jin	Dento	MRLONDO.
DATE	0/3	Jau	Methun

SITE IDENTIFIER KRUTA 154

BATCH NUMBER TNT-6

TIME 0859

Abs(background) 0-000

Abs(control) 0.367

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
0226	0.005	0.009	0.020	- 0.011	B
0227	0.005	0.000	0.020	- 0.014	O
0128	0.006	0.008	0.024	- 0.016	ϵ
0229	0.008	0.009	0.032	- 0.023	₽
0230	0.010	0.012	0.040	- 0.028	0
0231	0.013	0.028	0.052	- 0.024	2 >
0232	0.008	0.010	0.032	- 0.022	0
	0.009	0.012	0.036	- 0.024	O
0233	0.011	0.021	0.044	- 0.023	0
0235	0.011	0.022	0.044	- 0.022	$\boldsymbol{\sigma}$
	0.011	0.015	0.044	- 0.029	0
0236	0.011	0.013	0.044	- 0.027	

Jin Denton Phench Mother 8A-994 Signature (lab tech)

Signature (review/approval)

5

LAB. TECH. NAME JIM DENTON R MethUIN SITE IDENTIFIER KRLTD154 DATE 8/30/94

BATCH NUMBER 7NT-5

TIME 0915

Abs(background) C.OOC Abs(control) 0.34/

	1	2	3	4	5	6
	Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
100	0301	0.018	0.018	0.072	- 0-054	Ø
100	0302	0.015	0.015	0.060	- 0.045	0
K).	0303	0.013	0.018	0.052	- 0.034	o-
10	0304	0.014	0.015	0.056	- 0.041	O
10	0305	0.014	0.016	0.056	- 0.040	O
10	C306	0.014	0.015	0.056	- 0.04	€
10.	0307	0.014	0.015	0.056	- 0.041	6
10	0308	0.015	0.016	0.060	- 0.044	0
10.1	0309	0.02	0.022	0-084	- 0.062	0
10	0310	0.016	0.016	0-064	- 0.048	0
10.1	0310 000	0.016	0.017	0.064	- 0.047	0
NIF		0.017	0.017	0-068	- 0.051	
10.	0 5B	0.016	0.017	0-064	- 0.047	

LAB. TECH. NAMEJIM	enton Rhonda	
	Methuin	
DATE 8/24/	94	

SITE IDENTIFIER KRLTDISY

BATCH NUMBER TNT-4

TIME 1010

Abs(background) -0.00| Abs(control) 0.325

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
0151	0.012	0.013	0.048	-0.035	0
0152	0.012	0.014	0.048	- 0.034	0
0153	0.013	0.014	0.052	- 0.038	0
0154	0.013	0.016	0.057	- 0.036	0
0155	0.014	0.016	0.056	- 0.040	0
0156	0.014	0.017	0.056	- 0.039	0
0157	0.015	0.015	0.060	- 0.045	0
0158	0.014	0.016	0.056	- 0.040	0
0159	0.014	0.015	0.056	- 0.041	0
0160	0.014	0.017	0.056	- 0.039	0
016000	0.014	0.017	0.056	- 0.039	0

AB. TECH. NAME J. m Denland Rhonda	SITE IDENTIFIER KRLTS 154
DATE 8/29/94	BATCH NUMBER TAIT-4

TIME 1010

Abs(background) -0.00 | Abs(control) 6.325

1	2	3	4	5	6
		Abe (semple)	Abs (initial) x 4	Abs (final)	TNT Conc. PPM
Sample ID	Abs(initial)	Abs (sample)	ADS (IIIIIIII) A 4		[col. 5/0.0323]
0161	0.014	0.016	0.056	- 0.040	0
0162	0.013	0.017	0.052	- 0.035	0
0163	0.015	0.017	0.060	- 0.043	0
0164	0.016	0.018	0.064	- 0.046	0
0165	0.015	0.017	0.060	- 0.043	0
MR	0.015	0.017	0.060	- 0.043	0
53	6.015	0.017	0.060	- 0-043	Ò
_					

Jan Denton Thurk Meller 8/29/94 Signature (lab tech)

DATE 8/26/94	BATCH NUMBER 1N1-3
TIME	1058

Abs(background) 0.000 Abs(control) 0.369

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM (col. 5/0.0323)
0284	0.011	0.013	0.044	-0.031	A
0285	0.009	0.011	0.036	- 0.025	0
1890	0.013	0.016	0.052	- 0.036	O
5800	0.014	0.018	0.056	- 0.038	0
cc83	0.013	0.015	0.052	- 0.037	0
0084	0.013	0.014	0.052	- 0.038	0
0085	0.012	0.01.3	0.048	- 0.035	8
086	0.013	0.015	0.052	- 0.037	0
0087	0.014	0.016	0.056	- 0.04	0
088	0.014	0.017	0.056	- 0.039	O
0089	0.013	0.016	0.057	-0.036	B
M90	0.013	0-015	0.052	- 0.037	

Charles Mattern
Signature (lab tech)

DATE 8/25/94	SITE IDENTIFIER KRIFNISY BATCH NUMBER TAIT- 2
TIME Abs(background) (1) (1) (2) Abs(control)	0.328

1	2	3	4	5	6
Sample ID	Abs(initial)	Abs (sample)	Abs (initial) x 4		TNT Conc. PPM [col. 5/0.0323]
0278	0.015	0.016	0.06	-0.044	P
0279	0.015	0.016	0,06	-0.044	0
0280	0.016	0.017	0.064	-0.047	0
0281	0.016	0.022	0.064	-0.042	0
0282	0.016	0.017	0.064	-0.047	0
0283	0.016	0.016	0.064	-0.048	0
7,					
1					

Physical Methon Signature (lab tech)

Signature (review/approval)

8/25/94

DATE 24 Ary 94	SITE IDENTIFIER KRLTD 154 BATCH NUMBER TNT 1
Abs(standard) Abs(background) Abs(c	TIME

Sample II		Abs(initial)	Abolo		
0276			Abs (sample)	Concentration (PPM)*	TIME
0277		101	001	/	1440
0~//		-0/2	.011		
					1445
	.				

(500 1 4 - 10 top) of

- *(Abs(initial) x 4) - Abs(sample) 0.0323

Abssomple - (Absinition)

Page 1



Hall Environmental Analysis Laboratory 2403 San Mateo NE, Suite P-13 Albuquerque, NM 87110

11/28/94

GRAM. Inc. 8500 Menaul Blvd. NE, Suite B-370 Albuquerque, NM 87112

Dear Mr. Jeff Johnson.

Enclosed are the results for the analyses that were requested. These were done according to the method entitled "Development of field screening methods for TNT, 2,4-DNT and RDX in soil" (Talanta, Vol39, No 4, pp. 419-428, 1992) by Thomas F. Jenkins and Marianne E. Walsh

Detection limits are estimated based on the methodology and may vary significantly. For TNT and 2,4-DNT we estimate a detection level of approximately 50 PPM (MG/KG). No determination of compounds below these levels (denoted by the < sign) has been made.

Please don't hesitate to contact me for any additional information or clarifications.

Sincerely,

Scott Hallenbeck,

Lab Manager

Project: McCormick Ranch

Results for sample: KRTLD154-949-0001

Date collected: 10/20/94

Date received: 10/20/94

Date extracted: 11/28/94

Date analyzed; 11/28/94

Client: GRAM, Inc.

Project Name: McCormick Ranch

HEAL#: 9410107-1

Project Manager: Jeff Johnson

Sampled by: Johnson

Matrix: Non-Aqueous

Test: TNT Procedure

Compound

Amount

Units

TNT

Not Detected

PPM (MG/KG)

Dilution Factor = 1

Test: 2,4-DNT Procedure

Compound

Amount

Units

2,4-DNT

Not Detected

PPM (MG/KG)

Dilution Factor = 1

Test: RDX Procedure

Compound

Amount

Units

RDX

Detected

PPM (MG/KG)

Dilution Factor = 1

OE ID

_____ 19404573

> 377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q000972

IDENTIFICATION:

Base Sample #: GS943835

OEHL ID: 19404573 Type of Sample: SOIL

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 08-SEP-94 Time Collected: 1400 Date Received: 26-SEP-94 Date Completed: 14-NOV-94

SAMPLE VOLUME 4547.8 GRAMS DRY.

ACTINIUM 228		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
BISMUTH 212	<	0.03			PICOCURIES	PER	GRAM	DRIED	
BISMUTH 214		0.4	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
CESIUM 134	<	0.01			PICOCURIES	PER	GRAM	DRIED	
CESIUM 137		6.9	+/-	3.2	FEMTOCURIES	S PEI	R GRAI	M DRIED)
GROSS ALPHA		4.1	+/-	2.2	PICOCURIES	PER	GRAM	DRIED	
GROSS BETA		21.7	+/-	1.9	PICOCURIES	PER	GRAM	DRIED	
LEAD 212		0.5	+/-	0.04	PICOCURIES	PER	GRAM	DRIED	
LEAD 214		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
POTASSIUM 40		14.3	+/-	0.8	PICOCURIES	PER	GRAM	DRIED	
RADIUM 224	<	0.5			PICOCURIES	PER	GRAM	DRIED	
PADIUM 226	<	0.4			PICOCURIES	PER	GRAM	DRIED	
THALLIUM 208		0.2	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	
THORIUM 228		1.4	+/-	0.2	PICOCURIES	PER	GRAM	DRIED	
THORIUM 232		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
THORIUM 234		0.2	+/-	0.07	PICOCURIES				
URANIUM 235		0.07	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

OE ID

-----19404574

> 377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943836

OEHL ID: 19404574 Type of Sample: SOIL

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM Date Collected: 08-SEP-94 Time Collected: 1400

Date Received: 26-SEP-94 Date Completed: 14-NOV-94

SAMPLE VOLUME 4148.3 GRAMS DRY.

ACTINIUM 228		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED
BISMUTH 212	<	0.04			PICOCURIES	PER	GRAM	DRIED
BISMUTH 214		0.7	+/-	0.03	PICOCURIES	PER	GRAM	DRIED
CESIUM 134	<	0.01			PICOCURIES	PER	GRAM	DRIED
CESIUM 137	<	0.02			PICOCURIES	PER	GRAM	DRIED
GROSS ALPHA		2.7	+/-	1.9	PICOCURIES	PER	GRAM	DRIED
GROSS BETA		23.6	+/-	1.9	PICOCURIES	PER	GRAM	DRIED
LEAD 212		0.5	+/-	0.04	PICOCURIES	PER	GRAM	DRIED
LEAD 214		0.8	+/-	0.04	PICOCURIES	PER	GRAM	DRIED
POTASSIUM 40		11.5	+/-	0.7	PICOCURIES	PER	GRAM	DRIED
RADIUM 224	<	0.6			PICOCURIES	PER	GRAM	DRIED
RADIUM 226	<	0.4			PICOCURIES	PER	GRAM	DRIED
THALLIUM 208		0.1	+/-	0.01	PICOCURIES	PER	GRAM	DRIED
THORIUM 228		1.4	+/-	0.03	PICOCURIES	PER	GRAM	DRIED
THORIUM 232		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED
THORIUM 234		0.4	+/-	0.09	PICOCURIES	PER	GRAM	DRIED
URANIUM 235		0.1	+/-	0.01	PICOCURIES	PER	GRAM	DRIED

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

OE ID

19404575

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943837 OEHL ID: 19404575

Type of Sample: SOIL

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 08-SEP-94 Time Collected: 1400

Date Received: 26-SEP-94 Date Completed: 14-NOV-94

SAMPLE VOLUME 4073.7 GRAMS DRY.

ACTINIUM 228		0.6	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
BISMUTH 212	<	0.4			PICOCURIES	PER	GRAM	DRIED	
BISMUTH 214		0.4	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
CESIUM 134	<	0.02			PICOCURIES	PER	GRAM	DRIED	
CESIUM 137		0.02	+/-	0.005	PICOCURIES	PER	GRAM	DRIED	
GROSS ALPHA		3.9	+/-	2.1	PICOCURIES	PER	GRAM	DRIED	
GROSS BETA		22.8	+/-	1.9	PICOCURIES	PER	GRAM	DRIED	
LEAD 212		0.6	+/-	0.05	PICOCURIES	PER	GRAM	DRIED	
LEAD 214		0.5	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
POTASSIUM 40		14.3	+/-	0.8	PICOCURIES	PER	GRAM	DRIED	
RADIUM 224	<	0.7			PICOCURIES	PER	GRAM	DRIED	
RADIUM 226	<	0.5			PICOCURIES	PER	GRAM	DRIED	
THALLIUM 208		0.2	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	
THORIUM 228		1.4	+/-	0.3	PICOCURIES	PER	GRAM	DRIED	
THORIUM 232		0.6	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
THORIUM 234		0.3	+/-	0.1	PICOCURIES	PER	GRAM	DRIED	
URANIUM 235		0.06	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 15-nov-1994 ARMSTRONG LABORATORY

OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA) BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

------19404576

> 377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: 0000972

IDENTIFICATION:

Base Sample #: GS943838

OEHL ID: 19404576 Type of Sample: SOIL

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM Date Collected: 08-SEP-94 Time Collected: 1400

Date Received: 26-SEP-94 Date Completed: 14-NOV-94

SAMPLE VOLUME 4808.6 GRAMS DRY.

ACTINIUM 228		0.6	1/-	0.03	PICOCURIES	סקס	CPAM	חשונה	
			+/-	0.03					
BISMUTH 212	<	0.4			PICOCURIES				
BISMUTH 214		0.5	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
CESIUM 134	<	0.02			PICOCURIES	PER	GRAM	DRIED	
CESIUM 137	<	0.02			PICOCURIES	PER	GRAM	DRIED	
GROSS ALPHA		5.	+/-	2.4	PICOCURIES	PER	GRAM	DRIED	
GROSS BETA		26.3	+/-	2.	PICOCURIES	PER	GRAM	DRIED	
LEAD 212		0.7	+/-	0.05	PICOCURIES	PER	GRAM	DRIED	
LEAD 214		0.6	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
POTASSIUM 40		14.8	+/-	0.9	PICOCURIES	PER	GRAM	DRIED	
RADIUM 224	<	0.7			PICOCURIES	PER	GRAM	DRIED	
RADIUM 226	<	0.5			PICOCURIES	PER	GRAM	DRIED	
THALLIUM 208		0.2	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
THORIUM 228		1.5	+/-	0.3	PICOCURIES	PER	GRAM	DRIED	
THORIUM 232		0.6	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
THORIUM 234		0.2	+/-	0.09	PICOCURIES	PER	GRAM	DRIED	
URANIUM 235		0.07	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 15-nov-1994 ARMSTRONG LABORATORY

OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE
RADIOANALYTICAL FUNCTION (OEBSA)
BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404577

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559

ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943839

OEHL ID: 19404577
Type of Sample: SOIL

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 09-SEP-94 Time Collected: 1500

Date Received: 26-SEP-94
Date Completed: 14-NOV-94

SAMPLE VOLUME 5037.9 GRAMS DRY.

ACTINIUM 228		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
BISMUTH 212	<	0.4			PICOCURIES	PER	GRAM	DRIED	
BISMUTH 214		0.4	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
CESIUM 134	<	0.02			PICOCURIES	PER	GRAM	DRIED	
CESIUM 137	<	0.02			PICOCURIES	PER	GRAM	DRIED	
GROSS ALPHA		3.9	+/-	2.1	PICOCURIES	PER	GRAM	DRIED	
GROSS BETA		20.6	+/-	1.8	PICOCURIES	PER	GRAM	DRIED	
LEAD 212		0.5	+/-	0.04	PICOCURIES	PER	GRAM	DRIED	
LEAD 214		0.4	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
POTASSIUM 40		12.9	+/-	0.8	PICOCURIES	PER	GRAM	DRIED	
RADIUM 224	<	0.6			PICOCURIES	PER	GRAM	DRIED	
RADIUM 226	<	0.4			PICOCURIES	PER	GRAM	DRIED	
THALLIUM 208		0.2	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	
THORIUM 228		1.1	+/-	0.3	PICOCURIES	PER	GRAM	DRIED	
THORIUM 232		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
THORIUM 234		0.1	+/-	0.08	PICOCURIES	PER	GRAM	DRIED	
URANIUM 235		0.05	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

MR. AMON J. CLAY, GM-13 Chief, Radioanalytical Branch, BAFB DSN 240-2061

OE ID

19404578

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943840

OEHL ID: 19404578 Type of Sample: SOIL

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 20-SEP-94 Time Collected: 0800

Date Received: 26-SEP-94
Date Completed: 14-NOV-94

SAMPLE VOLUME 3506.3 GRAMS DRY.

			`		
ACTINIUM 228		0.6	+/-	0.02	PICOCURIES PER GRAM DRIED
BISMUTH 212	<	0.4			PICOCURIES PER GRAM DRIED
BISMUTH 214		0.5	+/-	0.03	PICOCURIES PER GRAM DRIED
CESIUM 134	<	0.02			PICOCURIES PER GRAM DRIED
CESIUM 137		5.6	+/-	4.2	FEMTOCURIES PER GRAM DRIED
GROSS ALPHA		7.4	+/-	2.7	PICOCURIES PER GRAM DRIED
GROSS BETA		25.	+/-	2.	PICOCURIES PER GRAM DRIED
LEAD 212		0.6	+/-	0.05	PICOCURIES PER GRAM DRIED
LEAD 214		0.5	+/-	0.03	PICOCURIES PER GRAM DRIED
POTASSIUM 40		13.9	+/-	0.8	PICOCURIES PER GRAM DRIED
RADIUM 224	<	0.7			PICOCURIES PER GRAM DRIED
RADIUM 226	<	0.5			PICOCURIES PER GRAM DRIED
THALLIUM 208		0.2	+/-	0.01	PICOCURIES PER GRAM DRIED
THORIUM 228		1.7	+/-	0.3	PICOCURIES PER GRAM DRIED
THORIUM 232		0.6	+/-	0.02	PICOCURIES PER GRAM DRIED
THORIUM 234		0.3	+/-	0.09	PICOCURIES PER GRAM DRIED
URANIUM 235		0.07	+/-	0.01	PICOCURIES PER GRAM DRIED

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

OE ID 19404579

> 377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z _____

IDENTIFICATION:

Base Sample #: GS943841

OEHL ID: 19404579 Type of Sample: SOIL

Workplace or Site ID: 00097 093A KIRTLAND AFB, NM Date Collected: 20-SEP-94 Time Collected: 0800

Date Received: 26-SEP-94 Date Completed: 14-NOV-94

SAMPLE VOLUME 4358.2 GRAMS DRY.

										_
	ACTINIUM 228		0.7	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
	BISMUTH 212	<	0.5			PICOCURIES	PER	GRAM	DRIED	
	BISMUTH 214		0.5	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
	CESIUM 134	<	0.02			PICOCURIES	PER	GRAM	DRIED	
	CESIUM 137		0.04	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	
	GROSS ALPHA		5.	+/-	2.4	PICOCURIES	PER	GRAM	DRIED	
	GROSS BETA		27.8	+/-	2.1	PICOCURIES	PER	GRAM	DRIED	
	LEAD 212		0.7	+/-	0.06	PICOCURIES	PER	GRAM	DRIED	
	LEAD 214		0.6	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
,	POTASSIUM 40		15.6	+/-	0.9	PICOCURIES	PER	GRAM	DRIED	
	RADIUM 224	<	0.8			PICOCURIES	PER	GRAM	DRIED	
	RADIUM 226	<	0.5			PICOCURIES	PER	GRAM	DRIED	
	THALLIUM 208		0.2	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
	THORIUM 228		1.4	+/-	0.3	PICOCURIES	PER	GRAM	DRIED	
	THORIUM 232		0.7	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
	THORIUM 234		0.2	+/-	0.1	PICOCURIES	PER	GRAM	DRIED	
	URANIUM 235		0.09	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

OE ID

------19404580

> 377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q000972

IDENTIFICATION:

Base Sample #: GS943842

OEHL ID: 19404580 Type of Sample: SOIL

Workplace or Site ID: 00097 093A KIRTLAND AFB, NM Date Collected: 20-SEP-94 Time Collected: 0800

Date Collected: 20-SEP-94

Date Received: 26-SEP-94 Date Completed: 14-NOV-94

SAMPLE VOLUME 4444.4 GRAMS DRY.

ACTINIUM 228		0.8	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
BISMUTH 212	<	0.4			PICOCURIES	PER	GRAM	DRIED	
BISMUTH 214		0.5	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
CESIUM 134	<	0.02			PICOCURIES	PER	GRAM	DRIED	
CESIUM 137		0.02	+/-	0.005	PICOCURIES	PER	GRAM	DRIED	
GROSS ALPHA		4.4	+/-	2.3	PICOCURIES	PER	GRAM	DRIED	
GROSS BETA		27.5	+/-	2.1	PICOCURIES	PER	GRAM	DRIED	
LEAD 212		0.7	+/-	0.06	PICOCURIES	PER	GRAM	DRIED	
LEAD 214		0.6	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
POTASSIUM 40		16.2	+/-	0.9	PICOCURIES	PER	GRAM	DRIED	
RADIUM 224	<	0.7			PICOCURIES	PER	GRAM	DRIED	
RADIUM 226		0.7	+/-	0.4	PICOCURIES	PER	GRAM	DRIED	
THALLIUM 208		0.3	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
THORIUM 228		1.8	+/-	0.3	PICOCURIES	PER	GRAM	DRIED	
THORIUM 232		0.8	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
THORIUM 234		0.2	+/-	0.1	PICOCURIES	PER	GRAM	DRIED	
URANIUM 235		0.04	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

OE ID -----

19404581

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943843

OEHL ID: 19404581 Type of Sample: SOIL

Workplace or Site ID: 00097 ____093A KIRTLAND AFB, NM Date Collected: 20-SEP-94 Time Collected: 0800

Date Received: 26-SEP-94 Date Completed: 14-NOV-94

SAMPLE VOLUME 4288.7 GRAMS DRY.

									
ACTINIUM 228		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
BISMUTH 212	<		,		PICOCURIES				
BISMUTH 214		0.4	+/-	0.03	PICOCURIES	PER	GRAM	DRIED	
CESIUM 134	<	0.02			PICOCURIES	PER	GRAM	DRIED	
CESIUM 137		0.02	+/-	0.005	PICOCURIES	PER	GRAM	DRIED	
GROSS ALPHA		3.	+/-	2.	PICOCURIES	PER	GRAM	DRIED	
GROSS BETA		26.9	+/-	2.	PICOCURIES	PER	GRAM	DRIED	
LEAD 212		0.6	+/-	0.04	PICOCURIES	PER	GRAM	DRIED	
LEAD 214		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
POTASSIUM 40		12.9	+/-	0.8	PICOCURIES	PER	GRAM	DRIED	
RADIUM 224	<	0.7			PICOCURIES	PER	GRAM	DRIED	
RADIUM 226	<	0.5			PICOCURIES	PER	GRAM	DRIED	
THALLIUM 208		0.2	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	
THORIUM 228		1.5	+/-	0.3	PICOCURIES	PER	GRAM	DRIED	
THORIUM 232		0.5	+/-	0.02	PICOCURIES	PER	GRAM	DRIED	
THORIUM 234		0.2			PICOCURIES				
URANIUM 235		0.07	+/-	0.01	PICOCURIES	PER	GRAM	DRIED	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

OE ID

19404582

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943844

OEHL ID: 19404582 Type of Sample: SOIL

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 20-SEP-94 Time Collected: 0800

Date Received: 26-SEP-94
Date Completed: 14-NOV-94

SAMPLE VOLUME 4265.1 GRAMS DRY.

______ 0.6 +/- 0.03 PICOCURIES PER GRAM DRIED ACTINIUM 228 PICOCURIES PER GRAM DRIED BISMUTH 212 < 0.4 0.5 +/- 0.03 PICOCURIES PER GRAM DRIED BISMUTH 214 < 0.02 PICOCURIES PER GRAM DRIED CESIUM 134 8.1 +/- 4.9 FEMTOCURIES PER GRAM DRIED CESIUM 137 3.6 +/- 2.1 PICOCURIES PER GRAM DRIED GROSS ALPHA +/- 2. GROSS BETA 25.6 PICOCURIES PER GRAM DRIED 0.6 +/- 0.05 PICOCURIES PER GRAM DRIED LEAD 212 0.5 +/- 0.03 PICOCURIES PER GRAM DRIED LEAD 214 14.9 +/- 0.9 PICOCURIES PER GRAM DRIED POTASSIUM 40 < 0.7 PICOCURIES PER GRAM DRIED RADIUM 224 RADIUM 226 < 0.5 PICOCURIES PER GRAM DRIED 0.2 +/- 0.01 PICOCURIES PER GRAM DRIED THALLIUM 208 1.7 +/- 0.3 PICOCURIES PER GRAM DRIED THORIUM 228 0.6 +/- 0.03 PICOCURIES PER GRAM DRIED
0.2 +/- 0.09 PICOCURIES PER GRAM DRIED THORIUM 232 THORIUM 234 0.06 +/- 0.01 PICOCURIES PER GRAM DRIED URANIUM 235

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

MR. AMON J. CLAY, GM-13 Chief, Radioanalytical Branch, BAFB DSN 240-2061

SAMPLE ANALYSIS RESULTS REPORTED ON 23-nov-1994 ARMSTRONG LABORATORY OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA)

BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404557

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z _____

IDENTIFICATION:

Base Sample #: GN943845

OEHL ID: 19404557

Type of Sample: WATER, NONPOTABLE, NOT SDWA

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 07-SEP-94 Time Collected: 1030

Date Received: 26-SEP-94 Date Completed: 22-NOV-94

______ PICOCURIES PER LITER < 33. BISMUTH 212 PICOCURIES PER LITER BISMUTH 214 < 18. PICOCURIES PER LITER < 7.4 CESIUM 134 PICOCURIES PER LITER < 7.6 CESIUM 137 < 0.6 PICOCURIES PER LITER GROSS ALPHA PICOCURIES PER LITER GROSS BETA < 3. PICOCURIES PER LITER < 16.9 LEAD 212 PICOCURIES PER LITER LEAD 214 < 18.6 PICOCURIES PER LITER POTASSIUM 40 < 116.4 PICOCURIES PER LITER RADIUM 224 < 196. PICOCURIES PER LITER RADIUM 226 < 21.6 < 8.6 PICOCURIES PER LITER THALLIUM 208 PICOCURIES PER LITER THORIUM 228 < 0.5 < 17.4 PICOCURIES PER LITER THORIUM 232 PICOCURIES PER LITER < 116.9 THORIUM 234 < 13.1 PICOCURIES PER LITER URANIUM 235

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 23-nov-1994 ARMSTRONG LABORATORY OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA) BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID ------19404558

> 377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GN943846

OEHL ID: 19404558

Type of Sample: WATER, NONPOTABLE, NOT SDWA

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 07-SEP-94 Time Collected: 1030

Date Received: 26-SEP-94
Date Completed: 22-NOV-94

_____ < 33. PICOCURIES PER LITER BISMUTH 212 < 16.9 PICOCURIES PER LITER BISMUTH 214 < 7.3 PICOCURIES PER LITER CESIUM 134 PICOCURIES PER LITER CESIUM 137 < 8. < 0.6 PICOCURIES PER LITER GROSS ALPHA < 3. PICOCURIES PER LITER GROSS BETA PICOCURIES PER LITER LEAD 212 < 17.2 < 18.5 PICOCURIES PER LITER LEAD 214 < 112.2 PICOCURIES PER LITER POTASSIUM 40 PICOCURIES PER LITER RADIUM 224 < 194.1 PICOCURIES PER LITER RADIUM 226 < 223.4 < 9. THALLIUM 208 PICOCURIES PER LITER < 479.2 PICOCURIES PER LITER THORIUM 228 < 33.7 PICOCURIES PER LITER THORIUM 232 46.4 +/- 37.6 PICOCURIES PER LITER THORIUM 234 < 13.7 PICOCURIES PER LITER URANIUM 235

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

MR. AMON J. CLAY, GM-13 Chief, Radioanalytical Branch, BAFB DSN 240-2061

SAMPLE ANALYSIS RESULTS REPORTED ON 23-nov-1994 ARMSTRONG LABORATORY

OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE
RADIOANALYTICAL FUNCTION (OEBSA)
BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404559

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GN943847

OEHL ID: 19404559

Type of Sample: WATER, NONPOTABLE, NOT SDWA

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

.....

Date Collected: 07-SEP-94 Time Collected: 1030

Date Received: 26-SEP-94
Date Completed: 22-NOV-94

PICOCURIES PER LITER < 33. BISMUTH 212 BISMUTH 214 < 15.2 PICOCURIES PER LITER < 7.4 PICOCURIES PER LITER CESIUM 134 < 8.6 PICOCURIES PER LITER CESIUM 137 < 0.6 PICOCURIES PER LITER GROSS ALPHA < 3. PICOCURIES PER LITER GROSS BETA PICOCURIES PER LITER < 17. LEAD 212 PICOCURIES PER LITER < 18.2 LEAD 214 PICOCURIES PER LITER POTASSIUM 40 < 116.4 < 192.4 PICOCURIES PER LITER RADIUM 224 < 211. PICOCURIES PER LITER RADIUM 226 PICOCURIES PER LITER < 9.4 THALLIUM 208 PICOCURIES PER LITER < 464.4 THORIUM 228 PICOCURIES PER LITER < 32.3 THORIUM 232 THORIUM 234 < 115. PICOCURIES PER LITER < 12.9 PICOCURIES PER LITER URANIUM 235

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 23-nov-1994 ARMSTRONG LABORATORY

OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA) BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404560

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559

ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GN943848

OEHL ID: 19404560

Type of Sample: WATER, NONPOTABLE, NOT SDWA

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 07-SEP-94 Time Collected: 1030

Date Received: 26-SEP-94
Date Completed: 22-NOV-94

BISMUTH 212	<	33.	PICOCURIES	PER	LITER
BISMUTH 214	<	16.1	PICOCURIES	PER	LITER
CESIUM 134	<	7.5	PICOCURIES	PER	LITER
CESIUM 137	<	9.	PICOCURIES	PER	LITER
GROSS ALPHA	<	0.6	PICOCURIES	PER	LITER
GROSS BETA	<	3.1	PICOCURIES	PER	LITER
LEAD 212	<	16.6	PICOCURIES	PER	LITER
LEAD 214	<	17.5	PICOCURIES	PER	LITER
POTASSIUM 40	<	121.2	PICOCURIES	PER	LITER
RADIUM 224	<	192.4	PICOCURIES	PER	LITER
RADIUM 226			PICOCURIES	PER	LITER
THALLIUM 208			PICOCURIES	PER	LITER
THORIUM 228	<	491.4	PICOCURIES	PER	LITER
THORIUM 232	<	•	PICOCURIES		
THORIUM 234	-		PICOCURIES		
URANIUM 235	<	13.1	PICOCURIES	PER	LITER

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 23-nov-1994 ARMSTRONG LABORATORY

OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA) BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404561

377 MG/AERMS/SGPB 1951 SECOND STREET SE

KIRTLAND AFB, NM 87117-5559

ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GN943849

OEHL ID: 19404561

Type of Sample: WATER, NONPOTABLE, NOT SDWA

Workplace or Site ID: 00097 ____093A KIRTLAND AFB, NM Date Collected: 07-SEP-94 Time Collected: 1030

Date Received: 26-SEP-94 Date Completed: 22-NOV-94

_____ BISMUTH 212 PICOCURIES PER LITER < 33. < 16.4 PICOCURIES PER LITER BISMUTH 214 < 7.6 PICOCURIES PER LITER CESIUM 134 3.6 +/- 2.1 PICOCURIES PER LITER CESIUM 137 GROSS ALPHA < 0.6 PICOCURIES PER LITER < 3. PICOCURIES PER LITER GROSS BETA < 16.6 PICOCURIES PER LITER LEAD 212 < 18.6 PICOCURIES PER LITER LEAD 214 POTASSIUM 40 < 120.4 PICOCURIES PER LITER PICOCURIES PER LITER < 194.9 RADIUM 224 RADIUM 226 < 215.6 PICOCURIES PER LITER PICOCURIES PER LITER THALLIUM 208 < 9.1 THORIUM 228 < 465.9 PICOCURIES PER LITER < 32.2 PICOCURIES PER LITER THORIUM 232 PICOCURIES PER LITER THORIUM 234 < 121.4 < 13.3 PICOCURIES PER LITER URANIUM 235

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 23-nov-1994 ARMSTRONG LABORATORY OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA) BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404562

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: 000097Z

IDENTIFICATION:

Base Sample #: GN943850

OEHL ID: 19404562

Type of Sample: WATER, NONPOTABLE, NOT SDWA

Workplace or Site ID: 00097 ____ 093A KIRTLAND AFB, NM

Date Collected: 13-SEP-94 Time Collected: 1100

Date Received: 26-SEP-94 Date Completed: 22-NOV-94

< 33. PICOCURIES PER LITER BISMUTH 212 PICOCURIES PER LITER < 16.3 BISMUTH 214 PICOCURIES PER LITER < 7.1 CESIUM 134 2.4 +/- 1.9 PICOCURIES PER LITER
3.7 +/- 1.4 PICOCURIES PER LITER CESIUM 137 GROSS ALPHA 14.3 +/- 2.2 PICOCURIES PER LITER GROSS BETA PICOCURIES PER LITER < 16.8 LEAD 212 PICOCURIES PER LITER < 17.4 LEAD 214 PICOCURIES PER LITER POTASSIUM 40 < 119.6 PICOCURIES PER LITER < 196.4 RADIUM 224 PICOCURIES PER LITER < 213.8 RADIUM 226 PICOCURIES PER LITER THALLIUM 208 < 9.3 PICOCURIES PER LITER < 457.8 THORIUM 228 < 32.4 PICOCURIES PER LITER THORIUM 232 PICOCURIES PER LITER < 118. THORIUM 234 PICOCURIES PER LITER < 12.9 URANIUM 235

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 21-oct-1994 ARMSTRONG LABORATORY OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA) BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404205

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943770 SAMPLE "K"

OEHL ID: 19404205 Type of Sample: SOIL

Workplace or Site ID: 00097 _____093A KIRTLAND AFB, NM Date Collected: 06-SEP-94 _____Time Collected: 1000

Date Received: 14-SEP-94
Date Completed: 20-OCT-94

SAMPLE WEIGHT 2741.1 GRAMS DRY.

BISMUTH 212	·	0.2			PICOCURIES			
	,	0.7			PICOCURIES	PER	GRAM	DRIED
BISMUTH 214	~	0.03			PICOCURIES	PER	GRAM	DRIED
CESIUM 134			. ,	0.04	PICOCURIES			
CESIUM 137		0.6	+/-	1.9	PICOCURIES			
GROSS ALPHA		6.2	+/-		PICOCURIES			
GROSS BETA		32.7	+/-	1.8				
LEAD 212		0.8	+/-	0.06	PICOCURIES			
LEAD 214		0.7	+/-	0.04	PICOCURIES			
POTASSIUM 40	<	1.1			PICOCURIES			
RADIUM 224	į	0.9			PICOCURIES			
_		0.7			PICOCURIES	PER	GRAM	DRIED
RADIUM 226		0.7	+/-	0.02	PICOCURIES			
THALLIUM 208			4/-	0.02	PICOCURIES			
THORIUM 228	<	1.3		0 03	PICOCURIES			
THORIUM 232		0.8	+/-	0.03	PICOCURIES			
THORIUM 234		0.3	+/-	0.1				
URANIUM 235		0.1	+/-	0.01	PICOCURIES	PER	GRAM	DRIED

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

SAMPLE ANALYSIS RESULTS REPORTED ON 21-oct-1994 ARMSTRONG LABORATORY OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE RADIOANALYTICAL FUNCTION (OEBSA) BROOKS AIR FORCE BASE, TEXAS 78235-5000

OE ID

19404206

377 MG/AERMS/SGPB 1951 SECOND STREET SE KIRTLAND AFB, NM 87117-5559 ATTN CAPT CRAIG ADAMS

BASE ADDRESS CODE: Q00097Z

IDENTIFICATION:

Base Sample #: GS943771 SAMPLE "T"

OEHL ID: 19404206 Type of Sample: SOIL

Workplace or Site ID: 00097 093A KIRTLAND AFB, NM Date Collected: 06-SEP-94 Time Collected: 1000

Date Received: 14-SEP-94 Date Completed: 20-OCT-94

SAMPLE WEIGHT 2272 GRAMS DRY.

ACTINIUM 228		0.8	+/-	0.03	PICOCURIES	PER	GRAM	DRIED
BISMUTH 212	<	0.05			PICOCURIES	PER	GRAM	DRIED
BISMUTH 214		0.8	+/-	0.04	PICOCURIES	PER	GRAM	DRIED
CESIUM 134	<	0.03			PICOCURIES			
CESIUM 137		0.7	+/-	0.05	PICOCURIES			
GROSS ALPHA		6.5	+/-	2.	PICOCURIES	PER	GRAM	DRIED
GROSS BETA		34.2	+/-	1.8	PICOCURIES	PER	GRAM	DRIED
LEAD 212		0.9	+/-	0.07	PICOCURIES	PER	GRAM	DRIED
LEAD 214		0.8	+/-	0.04	PICOCURIES			
POTASSIUM 40	<	1.1			PICOCURIES	PER	GRAM	DRIED
RADIUM 224	<	0.9			PICOCURIES	PER	GRAM	DRIED
RADIUM 226	<	0.7			PICOCURIES	PER	GRAM	DRIED
THALLIUM 208		0.3	+/-	0.02	PICOCURIES	PER	GRAM	DRIED
THORIUM 228	<	2.			PICOCURIES	PER	GRAM	DRIED
THORIUM 232		0.8	+/-	0.03	PICOCURIES	PER	GRAM	DRIED
THORIUM 234		0.4	+/-	0.1	PICOCURIES	PER	GRAM	DRIED
URANIUM 235		0.1	+/-	0.01	PICOCURIES	PER	GRAM	DRIED

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES. ERROR TERM AT 95% CONFIDENCE LEVEL.

MR. JOHNSON,

LISTED BELOW ARE THE RESULTS YOU NEEDED. IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CALL.

PLEASE LEED .	KEL SO SHEET	•	CRACE RETA
SAMPLE NUMBER	DE #'S	GROSS ALPHA	GROSS BETA
GS943825 19	404563	3.8 +/- 1.6	29.5 +/- 1.7
3826	1	4.3 +/- 1.6	28.4 +/- 1.6
3827		6.2 +/- 1.9	29.1 +/- 1.7
3828		4.7 +/- 1.7	26.3 +/- 1.6
3829		5.6 +/- 2.0	26.4 +/- 1.6
3830		3.8 +/- 2.1	24.6 +/- 2.0
		5.1 +/- 2.3	21.5 +/- 1.9
3831	·	3.5 +/- 2.1	23.2 +/- 1.9
3832		3.0 +/- 2.0	24.2 +/- 1.9
3833		2.2 +/- 1.8	24.4 +/- 1.8
3834		4.1 +/- 2.2	21.7 +/- 1.9
3835			23.6 +/- 1.9
3836		2.7 +/- 1.9	22.8 +/- 1.9
3837		3.9 +/- 2.1	
3838		5.0 +/- 2.4	26.3 +/- 2.0
3839		3.9 +/- 2.1	20.6 +/- 1.8
3840		7.4 +/- 2.7	25.0 +/- 2.0
3841		5.0 +/- 2.4	27.8 +/- 2.1
3842		4.4 +/- 2.3	27.5 +/- 2.1
3843		3.0 +/- 2.0	26.9 +/- 2.0
	1 19404582	3.6 +/- 2.1	25.6 +/- 2.0
3044	1174100	•	

ALL OF THE ABOVE RESULTS ARE PICOCURIES PER GRAM/DRY.

AL/OEBA

DSN:240-2061

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Gruss Apper Bete - General TIME OYYZ 2350W 07 70 DATE 0207 TIME KOTE: MEASURE COOLER TEMPERATURE FROM TEMPERATURE BLANK 45-97 DATE DATE BILL OF LADING # 47 4. ICP METALS (8W6010); MINUS LEAD, ARSENIC, SELENIUM, AND MERCURY and white SIGNATURE RECEIVED BY SHIPPER: 6. Lead (SW7421), Arsenic (SW7060), Belenium (SW7740) ZERCETURO BY LABORATORE Bon O Kan 1. EXPLOSIVES (SW1330, SW8330-ADD-1, SW8330-ADD-1) STONATURE Abre × RECEIVED BY: 2. NITRATE + NITRITE (E353.2) LABORATORY ANALYSES: 3 copi 1800 ANALYBES REQUESTED 700 1400 Š COLLECTED TYPE OF CONTAINERS CONTAINER VOLUMB DATESTIME COMPANY NAME COMPANY NAVE COMPANY NAME 3. SEMI-VOCs (SW8270) S. MERCURY (8W7471) # OF CONTAINERS CY ANIDE (8W9012) PRESERVATIVE 100 3777764KS 3 377 MG. A LA MATRIX ms/my DiG574383 F No. 65945832 65948833 359438a8 55943830 6-59438-39 65943826 GS9+38a7 63943825 PHILLIPS LABORATORY, KIRTLAND APP QUINED TO PROVIDE SUFFICIENT SAMPLE VOLUME FOR ALL FOR SOIL SAMPLES ONLY ONE 16-02 OLASS IAR OF SOIL AT TEFF JOHNSON GRAM) 505-299-1287 NSAR SA MPC with STEVE CORIN (LATA) 503-480-3439 BS. THE REQUIRED ANALYBES FOR EACH SOIL SAMILE NTIFIED BY CEECKING THE APPROPRIATE BOXES (1.7) SIGNATURE SIGNATURE SIGNATURE RELEASED TO LABORATORY BY (SHIPPER): RELEASED TO SHIPPER BY: CONTAINER TYPES: P. POLYSTHYLENE AO - AMBER OLASS MACORMICK RANCH CO-CLEAR GLASS RELINQUISHED BY: 0 0 0 0 0 0 9 0 0 0 D LOCATION ID, SAMPLE ID) 0 0 E IDENTIFICATION EDGP/SGPB RATORY CONTACT: NIDARY CONTACT: MARY CONTACT: OMPANY NAME XOMPANY NAME OMPANY NAME ROJECT NAME: CLEMI 154-D 20 54 - D 24-D 0 18-0 d 154-54 - (

CHAIN OF CUSTODY

Gross Alpk- Bet - Grans THE 225co 24 (34P) 070C 75/9 4 0836 DATE TIMB C2 20 NOTE: MEASURE COOLER TEMPERATURE FROM TEMPERATURE BLANK DATE DATE BILL OF LADING # ICP METALS (SW5010); MINUS LEAD, ARSENIC, SELENIUM, AND MERCURY SIGNATURE SIGNATURE LEAD (\$47421), ARSENIC (FW7060), SELENIUN (\$47740) Muller 0/000 RECEIVED BY'SHIPPER. TREASE OF THE PROPERTY OF THE 1. EXPLOSIVES (SW8330, SW8330-ADD-1, SW8330-ADD-1) SIGNATURE 700 Por 200 RECEIVED BY: 2. NITRATE + NITRITE (E353.1) තුත BS 180 B 300 8 Q g ABORATORY ANALYSES: 1400 ANALY SES REQUESTED 1400 COLLECTED TYPE OF CONTAINERS CONTAINER VOLUME DATECTIME # OF CONTAINIRS COKIPANY NAME COMPANY NAME COMPANY NAME PRESERVATIVE 3. SEMI-VOCs (8WEC70) MERCURY (SW7471) CY ANIDE (SW9012) BITTHE 46/8/6 15/8/0 ATA 37 WE 0 MATRIX 3 6574-3839 35943843 657+3836 6574-3837 357+3838 058+384 PHILLIPS LABORATORY, KIRTLAND AFB GS942 3394384 EQUIXED TO PROVIDE SUFFICIENT SAMPLE VOLANCE FOR ALL JEFF JOHNSON (GRAM) 505-299-1382 SAMPLE FOR SOIL SAMPLES ONLY ONE 16-02 OLASS JAR OF SOIL AT STEVE GORIN (LATA) 505-880-3439 HOAL SES. THE REQUIRED ANALYSES FOR EACH SOIL SAMPLE ENTITIED BY CHECKING THE APPROPRIATE BOXES (1-7) dustrate S. S. SIGNATURE SIGNATURE RIGNATURE RELLASED TO LABORATORY BY (SHIPPER): RELEASED TO SHIPPER BY: CONTAINER TYPES: MACORMICK RANCH P-POLYETHYLENE AG - AMEER GLASS CG - CLEAR GLASS RELINQUISHED BY: 0 000 0000 0000 CATION ID, SAMPLE ID) MEDGR/35PB LE IDENTIFICATION RATORY CONTACT: ONDARY CONTACT: IMARY CONTACT! COMPANY NAME COMPANY NAME COMPANY NAME PROJECT NAME: CLENT <u>8</u> . O 0.83° 184. O 154. 154 - (154 154 154 154-회, 2/ TER

======= SAMPLE EDIT ======

Sample # 19404571 Logged by JS Last Updated By CU

Reviewed by Final Review By

Site ID 97 093A

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N Sample Okay
Ready to Report Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1 Copy 2

Received 26-SEP-94 Completed Collected (YYMMDD HRMI) 940908 1400

Reason R ROUTINE

Name

Weight Age Sex

Base Sample # GS943833 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

ount: *1 <List><Replace>

ample #	Method	d Isotope	Value	Error	Units	Culprit	Completed
9404571 9404571	G G	AC 228 BI 212	.5 <i>&</i> .03	.02	PCI/GM PCI/GM		20-OCT-94 20-OCT-94
9404571 9404571	G G	BI 214 CS 134	.5	.02	PCI/GM PCI/GM		20-OCT-94 20-OCT-94
9404571	G	CS 137 K 40	.01 14.5	. 8	PCI/GM PCI/GM	D CU	20-OCT-94 20-OCT-94
9404571	G G	PB 212	.5	.04	PCI/GM PCI/GM	D CU	20-OCT-94 20-OCT-94
9 404571 9 404571	G G	PB 214 RA 224	.5	.02	PCI/GM	D CU	20-OCT-94 20-OCT-94
9404571 9404571	G G	RA 226 TH 228	. 4 1	.02	PCI/GM PCI/GM	D CU	20-OCT-94
9404571 9404571	G G	TH 232 TH 234	.5 .2	.02 .07	PCI/GM PCI/GM	D CU	20-OCT-94 20-OCT-94
9404571 9404571	G G	TL 208 U 235	.25 .07	.01 .01	PCI/GM : PCI/GM :		20-OCT-94 20-OCT-94

nter analysis method code. Press list of field values key for help.

CList><Replace>

====== COMMENTS ======

ample # Order Comment

Culprit

9404571 1 SAMPLE VOLUME 4211.5 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.

>unt: *1 <Replace> ======= SAMPLE EDIT ======

Sample # 19404570 Logged by JS Last Updated By CU

Reviewed by Final Review By

Site ID 97 093A

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N Sample Okay Ready to Report Reported

Priority Sample

. Description:

Mail to Q00097Z Copy 1 Copy 2

Received 26-SEP-94 Completed Collected(YYMMDD HRMI) 940908 1400

Reason R ROUTINE

Name

Weight Age Sex

Base Sample # GS943832 Serial #

Collection Method G GRAB Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

*1 <List>

ample #	Metho	d Isotope	Value	Error	Units	Culprit	Completed
ample # 3404570 3404570 3404570 3404570 3404570 3404570 3404570 3404570 3404570 3404570 3404570 3404570 3404570	Method G G G G G G G G G	AC 228 BI 212 BI 214 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 224 RA 226 TH 232 TH 232	.5 .03 .5 .01 .02 14.2 .5 .5 .6 .4	.02 .02 .8 .04 .02	PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU D CU D CU D CU D CU D CU D CU D CU	28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94 28-OCT-94
3404570 3404570	G G	TL 208 U 235	.2 .07	.01 .01	PCI/GM PCI/GM		28-OCT-94 28-OCT-94

iter analysis method code. Press list of field values key for help.
*15

====== COMMENTS ======

ample # Order Comment

Culprit

9404570 1 SAMPLE VOLUME 4230.9 GRAMS DRY.

CU

ter a sequence number to force print order. Leave blank if not reported.
*1

======= SAMPLE EDIT ======

Last Updated By CU Logged by JS Sample # 19404563

Final Review By Reviewed by

Site ID 97

093A

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N Ready to Report

Sample Okay Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1

Copy 2

Received 26-SEP-94 Completed

940908 1400 Collected (YYMMDD HRMI)

SSAN

Reason R ROUTINE

Name

Sex

Weight Age Base Sample # GS943825 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

ount: *1

<List><Replace>

ample #	Method	d Isotope	Value	Error	Units	Culprit	Completed
9404563	G	BI 212	.03		PCI/GM	D CU	20-OCT-94
9404563	G	BI 214	.5		PCI/GM	D CU	20-OCT-94
9404563	Ğ	CS 134	.01		PCI/GM	D CU	20-OCT-94
9404563	Ğ	CS 137	.01	.004	PCI/GM	D CU	20-OCT-94
9404563	G	K 40	16.1	.9	PCI/GM	D CU	20-OCT-94
9404563	G	PB 212	.7	.05	PCI/GM	D CU	20-OCT-94
9404563	G	PB 214	.6	.03	PCI/GM	D CU	20-OCT-94
9404563	G	RA 224	.6		PCI/GM	D CU	20-OCT-94
9404563	G	RA 226	. 4		PCI/GM	D CU	20-OCT-94
9404563	G	TH 228	1.3	.3	PCI/GM	D CU	20-OCT-94
9404563	G	TH 232	.7	.02	PCI/GM		20-OCT-94
9404563	G	TH 234	.3	.08	PCI/GM		20-OCT-94
		TL 208	.2	.01	PCI/GM		20-OCT-94
9404563	G				PCI/GM		20-OCT-94
9 404563	G	U 235	.07	.01	FCI/GM	ט כט	20 001-94

====== COMMENTS ======

ample # Order Comment

Culprit

9404563 1

SAMPLE VOLUME 4365.5 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.
ount: *1 <Replace>

SAMPLE EDIT ======

Logged by JS Last Updated By CU Sample # 19404564

Final Review By Reviewed by

Site ID 97 093A

Logged Listing Created Y Work Card or Label Created Cancelled

Sample Okay Marked For Review N Reported Ready to Report

Priority Sample

Description:

Copy 2 Mail to Q00097Z Copy 1

Collected(YYMMDD HRMI) 940908 1400 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

> Sex Weight Age

Serial # Base Sample # GS943826

Collection Method G GRAB

Sample Type S SOIL

Project ID Analyses ABG

ress <LIST> for list of initials.

ount: *1

<List><Replace>

ample #	Metho	d Isotope	Value	Error	Units	Culprit	Completed
9404564 9404564 9404564 9404564 9404564 9404564 9404564 9404564 9404564 9404564 9404564		BI 212 BI 214 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 226 TH 228 TH 232 TH 232 TH 234 TL 208 U 235	.03 .5 .01 .01 16.1 .7 .6 .6 .4 1.9 .7	.03 .03 .004 .9 .05 .03	PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU D CU D CU D CU D CU D CU D CU D CU	20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94

nter analysis method code. Press list of field values key for help.

ount: *14

COMMENTS ======

ample # Order Comment

Culprit

9404564 1 SAMPLE VOLUME 4565.7 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.

ount: *1 <Replace> SAMPLE EDIT ======

Logged by JS Last Updated By CU Sample # 19404565

Reviewed by

Final Review By

Site ID 97

093A

Cancelled Logged Listing Created Y Work Card or Label Created

Marked For Review N Ready to Report

Sample Okay Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1

Copy 2

Collected (YYMMDD HRMI) 940908 1400 Received 26-SEP-94 Completed

Reason R ROUTINE

Name Sex

Age Weight Base Sample # GS943827 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

ount: *1

<List><Replace>

SSAN

ample #	Metho	d Isotope	Value	Error	Units	С	ulprit	Completed
9404565	G	BI 212	.03		PCI/GM	D	CU	20-OCT-94
9404565	Ğ	BI 214	.5	.03	PCI/GM	D	CU	20-OCT-94
9404565	G	CS 134	.01		PCI/GM	D	CU	20-OCT-94
9404565	Ğ	CS 137	.02		PCI/GM	D	CU	20-OCT-94
9404565	G	K 40	16.5	.9	PCI/GM	D	CU	20-OCT-94
9404565	G	PB 212	.6	.05	PCI/GM		CU	20-OCT-94
9404565	G	PB 214	.6	.03	PCI/GM	D	CU	20-OCT-94
9404565	G	RA 224	.6	•	PCI/GM		CU	20-OCT-94
9404565	G	RA 226	. 4		PCI/GM		CU	20-OCT-94
9404565	G	TH 228	1.3	.3	PCI/GM		CU	20-OCT-94
9404565	G	TH 232	.6	.02	PCI/GM		CU	20-OCT-94
9404565	G	TH 234	.3	.08	PCI/GM		CU	20-OCT-94
		TL 208	.2	.01	PCI/GM		CU	20-OCT-94
9404565	G			.01	PCI/GM		CU	20-OCT-94
9404565	G	U 235	.08	.01	ICI/GN	ט	CO	20 001 34

nter analysis method code. Press list of field values key for help. 4 <List> ====== COMMENTS ======

ample # Order Comment

Culprit

9404565 1

SAMPLE VOLUME 4771.4 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.

======= SAMPLE EDIT =======

Logged by JS Last Updated By CU Sample # 19404566

Final Review By Reviewed by

Site ID 97 093A

Cancelled Logged Listing Created Y Work Card or Label Created

Marked For Review N Ready to Report

Sample Okay Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1

Copy 2

Received 26-SEP-94 Completed

Collected (YYMMDD HRMI) 940908 1400

Reason R ROUTINE

Name

SSAN

Weight Sex Age

Serial # Base Sample # GS943828

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

1

<List>

ample #	Metho	d Isotope	Value	Error	Units	Culprit	Completed
9404566 9404566 9404566 9404566 9404566 9404566 9404566 9404566 9404566 9404566 9404566 9404566	00000000000000000	AM 241 BI 212 BI 214 CO 60 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 224 RA 226 TH 232 TH 234 TL 208	.04 .03 .6 .02 .01 .03 16.9 .8 .6 .6 .4 .2	.03 .005 .9 .05 .03 .9 .02 .09 .01	PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I PCI/GM I	CU CU CU CU CU CU CU CU CU CU CU CU CU C	20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94
9404566	G	U 235	.09	.01	PCI/6m	D au	20 OCT 91

nter analysis method code. Press list of field values key for help. $^{\times}$ 15 $^{\times}$ <List>

====== COMMENTS =======

ample # Order Comment

Culprit

9404566 1 SAMPLE VOLUME 5164.2 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.
*1

======= SAMPLE ED1T =======

Sample # 19404567 Logged by JS Reviewed by

Last Updated By CU Final Review By

Site ID 97

093A

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N
Ready to Report

Sample Okay Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1 Copy 2

Received 26-SEP-94 Completed Collected(YYMMDD HRMI) 940908 1400

Reason R ROUTINE

Name

Weight Age Sex

Base Sample # GS943829 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

*1

<List>

ample #	Method	Isotope	Value	Error	Units	Culprit	Completed
9404567	G	AC 228	.6	.02	PCI/GM	D CU	20-OCT-94
9404567	G	BI 212	.02		PCI/GM	D CU	20-OCT-94
9404567	Ğ	BI 214	.6	.03	PCI/GM	D CU	20-OCT-94
9404567	G	CS 134	.01		PCI/GM	D CU	20-OCT-94
9404567	Ğ	CS 137	.1	.01	PCI/GM	D CU	20-OCT-94
9404567	G	K 40	15.6	.9	PCI/GM	D CU	20-OCT-94
9404567	Ğ	PB 212	.7	.05	PCI/GM	D CU	20-OCT-94
9404567	Ğ	PB 214	.6	.03	PCI/GM	D CU	20-OCT-94
9404567	G	RA 224	. 6		PCI/GM	D CU	20-OCT-94
9404567	. G	RA 226	. 4		PCI/GM	D CU	20-OCT-94
9404567	, G	TH 228	1.3	.3	PCI/GM	D CU	20-OCT-94
9404567	G	TH 234	.3	.08	PCI/GM	D CU	20-OCT-94
9404567	G	TL 208	.2	.01	PCI/GM	D CU	20-OCT-94
9404567	G	U 235	.08	.01	PCI/GM		20-OCT-94

nter analysis method code. Press list of field values key for help. *14 <List> ample # Order Comment

Culprit

9404567 1 SAMPLE VOLUME 3809.3 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.

======= SAMPLE EDIT =======

Sample # 19404568 Logged by JS Last Updated By CU

Reviewed by Final Review By

Site ID 97 093A

Logged Listing Created Y Work Card or Label Created Cancelled

Sample Okay Marked For Review N

Reported Ready to Report

Priority Sample

- Description:

Copy 2 Mail to Q00097Z Copy 1

Collected (YYMMDD HRMI) 940908 1400 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

> Age Sex Weight

Base Sample # GS943830 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

*1

<List>

ample #	Metho	d Isotope	Value	Error	Units	Culp	orit	Completed
9404568 9404568 9404568 9404568 9404568 9404568 9404568 9404568 9404568 9404568 9404568 9404568		AC 228 BI 212 BI 214 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 226 TH 228 TH 232 TH 234 TL 208 U 235	.6 .03 .5 .01 .05 14.2 .6 .6 .6 .4 1.5 .6	.02 .03 .01 .8 .04 .03	PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU D CU D CU D CU D CU D CU D CU D CU		20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94

nter analysis method code. Press list of field values key for help.

>unt: *15

CList><Replace>

ample # Order Comment

Culprit

3404568 1 SAMPLE VOLUME 4602.4 GRAMS DRY.

CU

iter a sequence number to force print order. Leave blank if not reported.
*1

======= SAMPLE EDIT ======

Sample # 19404569 Logged by JS Last Updated By CU

Final Review By Reviewed by

093A Site ID 97

Logged Listing Created Y Work Card or Label Created Cancelled

Sample Okay Marked For Review N Reported

Ready to Report Priority Sample

Description:

Mail to Q00097Z Copy 1 Copy 2

Collected (YYMMDD HRMI) 940908 1400 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Age Sex Weight

Base Sample # GS943831 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID Analyses ABG

ress <LIST> for list of initials.

***** 1

<List>

ample #	Method	Isotope	Value	Error	Units	Culprit	Completed
9404569	G	AC 228	.5	.02	PCI/GM	D CU	20-OCT-94
9404569	G	BI 212	.03		PCI/GM	D CU	20-OCT-94
9404569	G	BI 214	.6	.03	PCI/GM	D CU	20-OCT-94
9404569	G	CS 134	3	2.4	PCI/GM	D CU	20-OCT-94
9404569	G	CS 137	.02	.004	PCI/GM	D CU	20-OCT-94
9404569	G	K 40	13.5	.8	PCI/GM	D CU	20-OCT-94
9404569	G	PB 212	.5	.04	PCI/GM	D CU	20-OCT-94
9404569	G	PB 214	. 6	.03	PCI/GM	D CU	20-OCT-94
9404569	G	RA 224	.05		PCI/GM	D CU	20-OCT-94
9404569	G	RA 226	. 4		PCI/GM	D CU	20-OCT-94
9404569	G	TH 228	1.4	.3	PCI/GM	D CU	20-OCT-94
9404569	G	TH 232	.5	.02	PCI/GM	D CU	20-OCT-94
9404569	G	TH 234	.3	.08	PCI/GM	D CU	20-OCT-94
9404569	G	TL 208	.2	.01	PCI/GM	D CU	20-OCT-94
9404569	G	U 235	.07	.01	PCI/GM	D CU	20-OCT-94

nter analysis method code. Press list of field values key for help. *15 ample # Order Comment

Culprit

9404569 1 SAMPLE VOLUME 3879.4 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.
*1

======= SAMPLE EDIT =======

Sample # 19404572 Logged by JS Last Updated By CU

Reviewed by Final Review By

093A Site ID 97

Cancelled Logged Listing Created Y Work Card or Label Created Sample Okay Marked For Review N

Reported Ready to Report

Priority Sample

Description:

Copy 2 Mail to Q00097Z Copy 1

Collected (YYMMDD HRMI) 940908 1400 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Sex Weight Age

Base Sample # GS943834 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Metho	od Isotope	Value	Error	Units	Culprit	Completed
9404572	G	AC 228	.5	.02	PCI/GM 1	D CÜ	20-OCT-94
9404572	G	BI 212	.03		PCI/GM 1	D CU	20-OCT-94
9404572	G	BI 214	. 4	.02	PCI/GM 1	D CU	20-OCT-94
9404572	Ğ	CS 134	.01		PCI/GM 1	D CU	20-OCT-94
9404572	Ğ	CS 137	5.7	3.2	FCI/GM 1	D CU	20-OCT-94
9404572	G	K 40	14	.8	PCI/GM 1	D CU	20-OCT-94
9404572	Ğ	PB 212	. 5	.03	PCI/GM 1	D CU	20-OCT-94
9404572	G	PB 214	. 4	.02	PCI/GM 1	D CU	20-OCT-94
9404572	G	RA 224	.5		PCI/GM 1	D CU	20-OCT-94
9404572	Ğ	RA 226	. 4		PCI/GM 1	CU	20-OCT-94
9404572	Ğ	TH 228	1.4	. 2	PCI/GM 1	CU CU	20-OCT-94
9404572	Ğ	TH 232	.5	.02	PCI/GM 1	CU	20-OCT-94
9404572	Ğ	TH 234	.3	.07	PCI/GM I	o cu	20-OCT-94
9404572	Ğ	TL 208	.2	.01	PCI/GM I	CU	20-OCT-94
9404572	G	U 235	.06	.01	PCI/GM I	CU CU	20-OCT-94

nter analysis method code. Press list of field values key for help.

cunt: *15

ample # Order Comment

Culprit

9404572 1 SAMPLE VOLUME 4397.5 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported. ount: *1 <Replace> ======= SAMPLE EDIT ======

Sample # 19404573 Logged by JS Last Updated By CU

Reviewed by

Final Review By

Site ID 97

093A

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N Sample Okay

Ready to Report Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1 Copy 2

Received 26-SEP-94 Completed Collected (YYMMDD HRMI) 940908 1400

Reason R ROUTINE

Name

Weight Age Sex

Base Sample # GS943835 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Method	Isotope	Value	Error	Units	Culprit	Completed
ample # 9404573 9404573 9404573 9404573 9404573 9404573 9404573 9404573 9404573 9404573 9404573	Method GGGGGGGGGGGGGG	Isotope AC 228 BI 212 BI 214 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 226 TH 228 TH 232 TH 234 TL 208	Value .5 .03 .4 .01 6.9 14.3 .5 .5 .5 .5 .2 .2	.02 .02 .3.2 .8 .04 .02	PCI/GM PCI/GM PCI/GM PCI/GM FCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU D CU D CU D CU D CU D CU D CU D CU	20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94
9404573	G	U 235	.07	.01	PCI/GM	D CU	20-OCT-94

ample # Order Comment

Culprit

9404573 1 SAMPLE VOLUME 4547.8 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.

ount: *1 <Repla <Replace> ======= SAMPLE EDIT =======

Logged by JS Last Updated By CU Sample # 19404574

Reviewed by

Final Review By

Site ID 97

093A

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N Ready to Report

Sample Okay Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1 Copy 2

Collected (YYMMDD HRMI) 940908 1400 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Sex Weight Age

Base Sample # GS943836 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

cess <LIST> for list of initials.

ount: *1

ample #	Method	lIsotope	Value	Error	Units	Culprit	Completed
ample # 9404574 9404574 9404574 9404574 9404574 9404574 9404574 9404574	Method G G G G G G G	AC 228 BI 212 BI 214 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 226	Value .5 .04 .7 .01 .02 11.5 .5 .8 .6	.02 .03 .7 .04	Units PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU D CU D CU D CU D CU D CU	20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94
9404574 9404574 9404574 9404574 9404574	G G G G	TH 228 TH 232 TH 234 TL 208 U 235	1.4 .5 .4 .1	.03 .02 .09 .01	PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU	20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94

nter analysis method code. Press list of field values key for help.

CList><Replace>

ample # Order Comment

Culprit

9404574 1 SAMPLE VOLUME 4148.3 GRAMS DRY.

CU

====== SAMPLE EDIT ======

Sample # 19404575 Logged by JS Last Updated By CU

Reviewed by Final Review By

Site ID 97

093A

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N Sample Okay Ready to Report Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1 Copy 2

Received 26-SEP-94 Completed Collected (YYMMDD HRMI) 940908 1400

Reason R ROUTINE

Name

Weight Age Sex

Base Sample # GS943837 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Method	Isotope	Value	Error	Units	C	ulprit	Completed
9404575	G	AC 228	.6	.03	PCI/GM	D	CU	20-OCT-94
9404575	Ğ	BI 212	. 4		PCI/GM	D	CU	20-OCT-94
9404575	Ğ	BI 214	. 4	.03	PCI/GM	D	CU	20-OCT-94
9404575	Ğ	CS 134	.02		PCI/GM	D	CU	20-OCT-94
9404575	G	CS 137	.02	.005	PCI/GM	D	CU	20-OCT-94
9404575	G	K 40	14.3	. 8	PCI/GM	D	CU	20-OCT-94
9404575	G	PB 212	.6	.05	PCI/GM	D	CU	20-OCT-94
9404575	G	PB 214	.5	.03	PCI/GM	D	CU	20-OCT-94
9404575	G	RA 224	.7		PCI/GM	D	CU	20-OCT-94
9404575	G	RA 226	.5		PCI/GM	D	CU	20-OCT-94
9404575	G	TH 228	1.4	.3	PCI/GM	D	CU	20-OCT-94
9404575	G	TH 232	.6	.03	PCI/GM	D	CU	20-OCT-94
9404575	G	TH 234	.3	.1	PCI/GM		CU	20-OCT-94
9404575	G	TL 208	.2	.01	PCI/GM		CU	20-OCT-94
9404575	G	U 235	.06	.01	PCI/GM		CU	20-OCT-94

ample # Order Comment

Culprit

9404575 1 SAMPLE VOLUME 4073.7 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported. <Replace> ount: *1

======= SAMPLE ED1T ======

Sample # 19404576 Logged by JS Last Updated By CU

Final Review By Reviewed by

093A Site ID 97

Logged Listing Created Y Work Card or Label Created Cancelled

Sample Okay Marked For Review N Reported Ready to Report

Priority Sample

Description:

Copy 2 Mail to Q00097Z Copy 1

Collected (YYMMDD HRMI) 940908 1400 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Sex Weight Age

Base Sample # GS943838 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Metho	d Isotope	Value	Error	Units	Culprit	Completed
ample # 9404576 9404576 9404576 9404576 9404576 9404576 9404576 9404576 9404576	Method G G G G G G G G	AC 228 BI 212 BI 214 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 226 TH 228 TH 232	.6 .4 .5 .02 .02 14.8 .7 .6 .7 .5	.03 .03 .9 .05 .03	PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU D CU D CU D CU D CU D CU D CU D CU	20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94
9404576 9404576 9404576	G G G	TH 234 TL 208 U 235	.2 .2 .07	.09 .02 .01	PCI/GM PCI/GM PCI/GM	D CU	20-OCT-94 20-OCT-94 20-OCT-94

ample # Order Comment

Culprit

9404576 1 SAMPLE VOLUME 4808.6 GRAMS DRY.

CU

======= SAMPLE EDIT ======

Last Updated By CU Sample # 19404577 Logged by JS

Final Review By Reviewed by

Site ID 97

093A

Cancelled Work Card or Label Created

Logged Listing Created Y Marked For Review N

Sample Okay Reported

SSAN

Ready to Report

Priority Sample

Description:

Mail to Q00097Z Copy 1

Copy 2

Collected(YYMMDD HRMI) 940909 1500 Received 26-SEP-94 Completed

Reason R ROUTINE

Name

Weight Age Sex

Base Sample # GS943839 Serial # Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

<List><Replace> ount: *1

	ample #	Method	Isotope	Value	Error	Units	Culprit	Completed
	9404577	G	AC 228	.5	.02	PCI/GM	D CU	20-OCT-94
	9404577	G	BI 212	. 4		PCI/GM	D CU	20-OCT-94
	9404577	G	BI 214	. 4	.02	PCI/GM	D CU	20-OCT-94
	9404577	G	CS 134	.02		PCI/GM	D CU	20-OCT-94
	9404577	G	CS 137	.02		PCI/GM	D CU	20-OCT-94
	9404577	G	K 40	12.9	.8	PCI/GM	D CU	20-OCT-94
	9404577	Ğ	PB 212	. 5	.04	PCI/GM	D CU	20-OCT-94
	9404577	G	PB 214	. 4	.02	PCI/GM	D CU	20-OCT-94
	9404577	G	RA 224	. 6		PCI/GM	D CU	20-OCT-94
	9404577	Ğ	RA 226	. 4		PCI/GM	D CU	20-OCT-94
*	9404577	G	TH 228	1.1	.3	PCI/GM	D CU	20-OCT-94
	9404577	Ğ	TH 232	. 5	.02	PCI/GM	D CU	20-OCT-94
	9404577	Ğ	TH 234	.1	.08	PCI/GM	D CU	20-OCT-94
	9404577	Ğ	TL 208	. 2	.01	PCI/GM	D CU	20-OCT-94
	9404577	G	U 235	.05	.01	PCI/GM		20-OCT-94
	2.0.0,,	•		•				

ample # Order Comment

Culprit

9404577 1

SAMPLE VOLUME 5037.9 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.

ount: *1 <Replace>

======= SAMPLE EDIT =======

Sample # 19404578 Logged by JS Last Updated By CU

Final Review By Reviewed by

Site ID 97

093A

Logged Listing Created Y Work Card or Label Created Cancelled

Sample Okay Marked For Review N

Reported Ready to Report

Priority Sample

Description:

Copy 2 Mail to Q00097Z Copy 1

Collected(YYMMDD HRMI) 940920 0800 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Sex Age Weight

Base Sample # GS943840 Serial #

Collection Method G GRAB

Sample Type S SOIL Project ID Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Method	d Isotope	Value	Error	Units	Culprit	Completed
9404578 9404578 9404578 9404578 9404578 9404578 9404578 9404578 9404578 9404578		AC 228 BI 212 BI 214 CS 134 CS 137 K 40 PB 212 PB 214 RA 224 RA 226 TH 228	.6 .4 .5 .02 5.6 13.9 .6 .5 .7	.02 .03 4.2 .8 .05 .03	Units PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM PCI/GM	D CU D CU D CU D CU D CU D CU D CU D CU	20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94 20-OCT-94
9404578 9404578 9404578 9404578	G G G	TH 232 TH 234 TL 208 U 235	.6 .3 .2 .07	.02 .09 .01	PCI/GM PCI/GM PCI/GM	D CU	20-OCT-94 20-OCT-94 20-OCT-94

ample # Order Comment

Culprit

9404578 1

SAMPLE VOLUME 3506.3 GRAMS DRY.

CU

======= SAMPLE EDIT =======

Last Updated By CU Logged by JS Sample # 19404579 Final Review By

Reviewed by

Site ID 97 093A

Cancelled Work Card or Label Created Logged Listing Created Y

Sample Okay Marked For Review N Reported Ready to Report

Priority Sample

Description:

Copy 2 Mail to 000097Z Copy 1

Collected(YYMMDD HRMI) 940920 0800 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Weight Age Sex

Serial # Base Sample # GS943841

Collection Method G GRAB

Sample Type S SOIL

Project ID Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Method	Isotope	Value	Error	Units	Cı	ılprit	Completed
9404579	G	AC 228	.7	.03	PCI/GM	D	CU	20-OCT-94
9404579	G	BI 212	.5		PCI/GM	D	CU	20-OCT-94
9404579	G	BI 214	.5	.03	PCI/GM	D	CU	20-OCT-94
9404579	G	CS 134	.02		PCI/GM	D	CU	20-OCT-94
9404579	G	CS 137	.04	.01	PCI/GM	D	CU	20-OCT-94
9404579	G	K 40	15.6	.9	PCI/GM	D	CU	20-OCT-94
9404579	G	PB 212	.7	.06	PCI/GM	D	CU	20-OCT-94
9404579	G	PB 214	. 6	.03	PCI/GM	D	CU	20-OCT-94
9404579	G	RA 224	. 8		PCI/GM	D	CU	20-OCT-94
9404579	G	RA 226	.5		PCI/GM	D	CU	20-OCT-94
9404579	G	TH 228	1.4	.3	PCI/GM	D	CU	20-OCT-94
9404579	G	TH 232	.7	.03	PCI/GM	D	CU	20-OCT-94
9404579	G	TH 234	. 2	.1	PCI/GM	D	CU	20-OCT-94
9404579	G	TL 208	. 2	.02	PCI/GM	D	CU	20-OCT-94
9404579	G	U 235	.09	.01	PCI/GM	D	CU	20-OCT-94

nter analysis method code. Press list of field values key for help.
ount: *15 <List><Replace>

ample # Order Comment

Culprit

9404579 1 SAMPLE VOLUME 4358.2 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported. ount: *1 <Replace>

SAMPLE EDIT ====== =======

Sample # 19404580 Logged by JS Last Updated By CU

Final Review By

Site ID 97

093A

Reviewed by

Logged Listing Created Y Work Card or Label Created Cancelled

Marked For Review N Ready to Report

Sample Okay Reported

Priority Sample

Description:

Mail to Q00097Z Copy 1 Copy 2

Collected(YYMMDD HRMI) 940920 0800 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Sex Weight Age

Base Sample # GS943842 Serial #

Collection Method G GRAB

Sample Type S SOIL

Project ID Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Method	d Isotope	Value	Error	Units	Culprit	Completed
9404580	G	AC 228	.8	.03	PCI/GM		20-OCT-94
9404580	G	BI 212	. 4		PCI/GM	D CU	20-OCT-94
9404580	Ğ	BI 214	.5	.03	PCI/GM	D CU	20-OCT-94
9404580	Ğ	CS 134	.02		PCI/GM	D CU	20-OCT-94
9404580	G	CS 137	.02	.005	PCI/GM	D CU	20-OCT-94
9404580	G	K 40	16.2	.9	PCI/GM	D CU	20-OCT-94
9404580	G	PB 212	.7	.06	PCI/GM	D CU	20-OCT-94
9404580	G	PB 214	.6	.03	PCI/GM	D CU	20-OCT-94
9404580	G	RA 224	.7	•••	PCI/GM	D CU	20-OCT-94
9404580	G	RA 226	. 7	. 4	PCI/GM		20-OCT-94
9404580	G	TH 228	1.8	.3	PCI/GM		20-OCT-94 "
9404580	G	TH 232	.8	.03	PCI/GM		20-OCT-94
		TH 234	.2	.1	PCI/GM		20-OCT-94
9404580	G			.02	PCI/GM		20-OCT-94
9404580	G	TL 208	.3		-		20-OCT-94
9404580	G	U 235	.04	.02	PCI/GM	D CU	20-001-34

ample # Order Comment

Culprit

9404580 1 SAMPLE VOLUME 4444.4 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported. <Replace> ount: *1

SAMPLE EDIT ====== ____=

Last Updated By CU Sample # 19404581 Logged by JS

Final Review By Reviewed by

093A Site ID 97

Logged Listing Created Y Work Card or Label Created Cancelled

Sample Okay Marked For Review N Reported Ready to Report

Priority Sample

Description:

Copy 2 Mail to Q00097Z Copy 1 Collected (YYMMDD HRMI) 940920 0800 Received 26-SEP-94 Completed

Reason R ROUTINE

SSAN Name

Sex Weight Age

Serial # Base Sample # GS943843

Collection Method G GRAB

Sample Type S SOIL

Project ID Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Method	Isotope	Value	Error	Units	Cı	ulprit	Completed
9404581	G	AC 228	. 5	.02	PCI/GM		CU	20-OCT-94
9404581	G	BI 212	. 4		PCI/GM		CU	20-OCT-94
9404581	G	BI 214	. 4	.03	PCI/GM	D	CU	20-OCT-94
9404581	G	CS 134	.02		PCI/GM	D	CU	20-OCT-94
9404581	G	CS 137	.02	.005	PCI/GM	D	CU	20-OCT-94
9404581	G	K 40	12.9	. 8	PCI/GM	D	CU	20-OCT-94
9404581	G	PB 212	. 6	.04	PCI/GM	D	CU	20-OCT-94
9404581	G	PB 214	. 5	.02	PCI/GM	D	CU	20-OCT-94
9404581	G	RA 224	. 7		PCI/GM	D	CU	20-OCT-94
9404581	G	RA 226	.5		PCI/GM	D	CU	20-OCT-94
9404581	G	TH 228	1.5	.3	PCI/GM	D	CU	20-OCT-94
9404581	G	TH 232	.5	.02	PCI/GM	D	CU	20-OCT-94
9404581	G	TH 234	.2	.09	PCI/GM	D	CU	20-OCT-94
9404581	G	TL 208	.2	.01	PCI/GM	D	CU	20-OCT-94
9404581	G	U 235	.07	.01	PCI/GM		CU	20-OCT-94

nter analysis method code. Press list of field values key for help.

ount: *15

ample # Order Comment

Culprit

9404581 1

SAMPLE VOLUME 4288.7 GRAMS DRY.

CU

======= SAMPLE EDIT ======

Last Updated By CU Logged by JS Sample # 19404582

Final Review By Reviewed by

Site ID 97 093A

Cancelled Work Card or Label Created Logged Listing Created Y

Marked For Review N

Sample Okay Reported

Ready to Report Priority Sample

Received 26-SEP-94 Completed

Description:

Mail to Q00097Z Copy 1

Copy 2

Collected (YYMMDD HRMI) 940920 0800

SSAN

Reason R ROUTINE

Name

Sex

Weight Age Serial # Base Sample # GS943844

Collection Method G GRAB

Sample Type S SOIL

Project ID

Analyses ABG

ress <LIST> for list of initials.

ount: *1

ample #	Method	lIsotope	Value	Error	Units	Culprit	Completed
9404582	G	AC 228	.6	.03	PCI/GM		20-OCT-94
9404582	G	BI 212	. 4		PCI/GM	D CU	20-OCT-94
9404582	Ğ	BI 214	.5	.03	PCI/GM	D CU	20-OCT-94
9404582	G	CS 134	.02		PCI/GM	D CU	20-OCT-94
9404582	G	CS 137	8.1	4.9	FCI/GM	D CU	20-OCT-94
9404582	G	K 40	14.9	.9	PCI/GM	D CU	20-OCT-94
9404582	G	PB 212	.6	.05	PCI/GM	D CU	20-OCT-94
9404582	G	PB 214	.5	.03	PCI/GM	D CU	20-OCT-94
9404582	G	RA 224	.7		PCI/GM	D CU	20-OCT-94
9404582	G	RA 226	.5		PCI/GM	D CU	20-OCT-94
9404582	G	TH 228	1.7	.3	PCI/GM	D CU	20-OCT-94
9404582	G	TH 232	.6	.03	PCI/GM	D CU	20-OCT-94
9404582	G	TH 234	. 2	.09	PCI/GM	D CU	20-OCT-94
9404582	G	TL 208	.2	.01	PCI/GM	D CU	20-OCT-94
9404582	G	U 235	.06	.01	PCI/GM 1	D CU	20-OCT-94

nter analysis method code. Press list of field values key for help.

cunt: *15

ample # Order Comment

Culprit

9404582 1

SAMPLE VOLUME 4265.1 GRAMS DRY.

CU

nter a sequence number to force print order. Leave blank if not reported.
ount: *1 <Replace>